

tctcttttac ttttctaac tggaagccta caactacaaa tgaaaacaat caatagttcc 240
 aaatgtaacc catttccaga gacaccagga ggaaagaaaa gacagaccat acatgtaaca 300
 tcccaacctc aacgtttgga atattgaggg gctttacgag ctttcttgag accaactttc 360
 ttcctctcaa ccactctgga atctctggta agaagtcctt cctgtctaaa ggtgctctat 420
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<210> 29559
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400017f06d1

<400> 29559

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 acatatctga acttgaacaa ctcacatcat catcatcatc ttcacatca tcatcataaa 180
 aacctctaaa atcaaattca ccctgaccag aatttcgata acctttttaca aaaccacgcg 240
 ctgctgcttc ttcagctcca ttttcatttc cccgagcagt gttcttcttc agctccttta 300
 tggaagaact tcttacacca agattaggtt cactctcgta aatgatgtta catttatgat 360
 aactagattg tggttcagaa tcctcaccta ggattacgct aacggggtaa aaccttacgg 420
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<210> 29560
 <211> 548
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400017f07d1

<400> 29560

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 tagaatgaac atcctatatt ttctcttttc acacctacgg ctctcattta tgctaatacca 180
 gctattatgg atggattagg ttcgccatcc cagtggctga gggagctgag atgggactcc 240
 cagggcttaa atccaataag ccttcttatt gactgtgcca aatgtgttgc atctggaagc 300
 atcaagaatg cagatattgg ccttgagtac atatctcaga tttcatctcc tgatggtaat 360
 gcagtgcaaa ggatggcac ttatttcagt gaagcacttg gttacaggat aataaaaaat 420
 ttgcctggtg tatataagtc tctcaatcca tcaaaaacat cattatcttc tgaagatata 480
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 aaccatgc 548

<210> 29561
 <211> 423
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400017f08d1

<400> 29561

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 ggcatagaacg caacctttac gcttggaccc gaaacaggac tttgggcaat taaacctcaa 180
 aggggttttg gcatcgaaac ctttaatttt tcgcacatgg ggcctagccc ttaaagaaat 240
 ttaattaatc agttcccaaa aaacgggcca aataataaca ataataagcg gaaattttat 300
 tttaaaccct ggggagaaaa actttttaag aaaggttaagt ttattatggg attttgaaa 360
 caaactaaag tgcttgcaaa ctaccaattc aaacattcca tgtttttaaaa caaccggggc 420
 ctt 423

<210> 29562
 <211> 453
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400017f12d1

<400> 29562

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gaatacattg gatgatggat tattttgcct cctctctact tctagaagga tgtcagaaaag 180
gtccgtagtc atatagaaga tgtagttttc tacgcttcta aattcttgag agaagccagc 240
cagtgttcca tgtaattttt gccagcagaa gaaaattcat ttggaagggtt cttgatggca 300
ctcaaaagct ccttggttga actcttcacc ttcttcctat agcaaggaac tagcacagca 360
aaactattgt ccaaatcatc atcactctga aggaaatcag agccatgagg ctccaaccac 420
ccaatggaaa aatctgagta tcagattcag agc 453

<210> 29563
<211> 536
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400017g01d1
<400> 29563

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tactccaact tcaaaaatag tatccaaaat ttcggaccta gaaaataaac agtacatgtg 120
aataaatttt caagaaaatg attccctaga cgcagaataa gatagtttct agttgtgcaa 180
cgatgatacg gaatcttgaa tgaactttca ctcatcatct tcatcgttat cagcagcaga 240
gttgagagac gccacacgtg caatcaactt agccttcctc tgctcataag tcagcttctt 300
caagttgtac ctcttggtgt ccttcggggg ctgcttatca gatttcttaa gagtaggac 360
agcacgaatg gcggcatgaa ccttcttata cagtgcctca ataccatcag cttctatccc 420
acgcttgatg tattcaactga agtgtgactg gtatttctct ggatcatctt cagccaagat 480
cttcatatag gcagcaacat gtccaccaa aacatatttg cgatgaacct cagcat 536

<210> 29564
<211> 391
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400017g03d1
<400> 29564

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 aaaaggggaa aaaccgga tttttgaaaa agggaaagtg ggcccttctc atttttcaaa 120
 ctataaggcc gggggtaaaa accgcaggca attgaaaagc caaactgggt ttttaaggcag 180
 gggaaacagc ttgttcacca atcatgggct ccaaaacccc cgttgataca accttgggtct 240
 ttataactgg ggctccttt tttgggattg gtgcattttt agagaaacta agccccaaga 300
 ttccatcagg ggattgtctg taaaaaacag agggccccgg ggcaaaattc acatttttga 360
 aggctttaac aaacttttca aaggctgggg t 391

<210> 29565
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017g04d1
 <400> 29565

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 tttttttttt ttttaacaaa ctcaatttta ttatttaaaa aaacaggaaa aatacctgac 120
 aagcgacaag aaaaaaagg gaaaaacccg gaatttttga aaaagggaaa ggtggctcctt 180
 ttcatttttc aaactataag gccgggggta aataccggag gcaattgaaa agccaaactg 240
 ggttttaagt caggggaaac agcttggtcc ccaaacatgg gtttcaaaac cgccgctgat 300
 acagccttgg tctttatcac tggagcctcc ttttttgga ttggggcctt tttagagaaa 360
 ctaagcccca agattccctc aggggattgt ctgtaaaaaa cagaggcccc aggggcaaaa 420
 ttcacatttt tgaaggcttt aacaaacttt taaagggtg gggg 464

<210> 29566
 <211> 531
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017g05d1
 <400> 29566

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 ttcagtaatt gtgtatacat tggacattat tagcattggg cggtcgggtc gggttggcat 120

tacagcgtac aactggtgtg gcacgaaaat cgccttgttt gtaaacttac gactattata 180
 ccacgtgcag caggatgatt ttgtagaatt tgataatatt ttttttataa gtattggttt 240
 attccaatgt tggatccaca ctatagcata aaaaagaaaa atataaaaca ccagctttat 300
 taaagtcaaa ttatgagccg agtaaataaa acacgctatg tggaaaggag ccagatactt 360
 gattctacaa ctctctccac cacaactggt aaagactatg aaatgatact gaccttaagg 420
 agctgcggga acaatcttgc ccgagcaggt accaaaccca atagtgtaac catttccctt 480
 gaatatccag taagatactt catctcatct taagaaattt ttatttacc a 531

<210> 29567
 <211> 474
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400017g06d1

<400> 29567

gaaaaaaatt ttgatcaaatt taataacttg tgcaaaagaa accatcaaatt tcctttgaga 60
 aaaaggaaca atagcaaacc tagctcatta atatacatat acgattaaat aaacgacaca 120
 gatcgatggt tatggccaaa gccaaaatta accacggtaa gtagacagtc aacgatttga 180
 ttccacagct acaacaaaat agcaagtgtt aacaaaatta cggaattaaa aaccgaaacc 240
 aaagcgatcg gatgcggatc agaactacaa atccaaaaga ggatcgtaag atcaaacggt 300
 gccgccagat ttggagcggg agagtttgcc gaacacgtgg agcgcggtga cgaagccgat 360
 gaagcagagg ctcatcacca gcaccaccgt cggcgaaatc ttcagccccg gagcatcgta 420
 cgtgtagaac ctcatcatgt tgctgctgcc gactacgacg ctctgctggt cgga 474

<210> 29568
 <211> 511
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400017g07d1

<400> 29568

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ccacaaggtc aaacgggtgtg aatttataat ggctactgaa tggaaatcag atccccaaag 180
 gtgttctcgc cactgtatgt aacatagaga aaccatcct cgtccttctt ctcatcatat 240
 atggcagaca taattgctcc tgtaggagga aggacgttgt ccacaaatat aaagattgcc 300
 ttttctgcac ttaatttaat ccttttgccg atcacataga caaactgtcc tacagtcaag 360
 tcagcagga caaggtactt cttcttgta atacttnga tgtcacttct ttcagccttc 420
 tccacaatta ccggaatcct gtcagggtat ttctccctaa tcttagcagc ctgagctctt 480
 cttttctcaa gatcatgttc ttgcttgaag t 511

<210> 29569
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017g09d1
 <400> 29569

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 ttacttgcaa ttcgatttta accgaatcca aaggggcttt tactggcaat tcatttttaa 120
 ccagtccaa ataacctcct cccatgttgc tcacatcctt aaatccttcc gatagaagat 180
 cagcagttgc atacagagat ctcaattcca ctttgacaac ccccgatgat ctgatcctct 240
 ttcttgcaag cctatgaaac ctcttaaga aattctggat acttcactct gccttctggc 300
 gaattaaaca tgtttgccac gttaatgatc ttctttgcat ccacatgccc tttttgaaac 360
 tcttcaccg ttctgaca 378

<210> 29570
 <211> 541
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017g11d1
 <400> 29570

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 tgccaagctt ataccagaaa catccaagaa cctatagaaa gatagcagaa aaataattct 120
 acaaggggga atcaaccact gagcatttta caacaataac ttattgtatc accatgctcc 180

caatcttaat attttatctg tgtgtatcac atggaaaagt aaattaatct accagtatac 240
 ttgtttctga tctgctctgt ggcttggttg gtaattacat ggccctatgt agaccttacg 300
 gctacataga tgatgtggtg gtatcattga caaggatact ctgtttcctc tatatattgt 360
 gttcttttta tgttcaaaat tttcaacccc cacttttgga gctttatggg aataaatgaa 420
 cattatggaa aatgaatata tgtatataat ggtctaattt attcaaaact tcaattcttt 480
 ttagcttgcc tgtctcttga agaaagggtt ctggcagatc aggagtctct gatcactggc 540
 a 541

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 <223> Clone ID: jC-gmst02400017h02d1
 <400> 29571

gcacttaaaa acgacaagaa atttattcaa tcacgagcgg taaaaatata acatacaaat 60
 aaaaataagg gagagtgaca tctacacaaa atccacacaa acttaaatca aacgaggaca 120
 ataataataa taataataat gatgatgata aaaatgagaa aagcttgaac ctttagactt 180
 gagctttaac cttctggttt ggctcgaaga cataacttaat aagagaatcc ttaatagaca 240
 acagttctgg aaattccttc ttcaatttgg cagcgtcaag ctcatgttg ctcctcggag 300
 caacaatcac cttggcctgt tcctcgagag tgaagttggt ccaggtgaag ttcgggtcaa 360
 cataatctct gtacatctcc aagatttcat tgtgactaac cactcctggg ttagtaaagt 420
 tccagatccc agtcagattc ctcttcccca tctcaattga aattggaagc agttcatcca 480
 atatagtca 489

<210> 29572
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017h03d1
 <400> 29572

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aacagcgata ggagtgtagg ccgatacaaa cgaataactt aatctaaaat ctcataggcc 120
 tgggcagtga tatgaaatta agctttcaag atcactgaca ttgaccaaac ttccttgcaa 180
 atttacagat taaagtttgg tctgcataat tagaatctac tacatctttc ccacattgtt 240
 actttaaata acacgttggc caagttaatt tgcattgaatg actcaacata acaacaccac 300
 ctgatggctg tcaagcatta tcattttatt cattacaccg aagtttatgt tacacttgca 360
 agttgctgga tcaacgtcta tcatgccagt cttgagatca ctgaaatttt acaacaatgc 420
 aggagatatc a 431

<210> 29573
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017h04d1
 <400> 29573

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 aatgtcgaga taagactcca catcaagatt gaattaaata gacattagaa aacccaaatc 120
 gaaagtagat taataataac agtattactg aaattaatta cgtaattaat tctcattgtc 180
 gaactcctcg tattgcctga ggacctcagc acagccagaa gcaacctcct gagacatgaa 240
 gcccatggca ttggcgaacc tatcatcgga tgcaatgccg ttgtagcggg tgagaataac 300
 gacggcttcg tcgcggcccg ggggtgacttc cttgcattga gggtgagggc tgcttacaag 360
 cttggcactg catatttgat ctgcgtgatc ctgcgccagc tacatttgtgt atgctccagt 420
 tgagtcagtg tacccttctc tgggtacaca ac 452

<210> 29574
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017h06d1
 <400> 29574

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 gacacagaga cacgtggaca cttgtaattg ccaaacattc gaacgtagtt tagatgtaca 120

ataggagtcg gacactaaca gggacgcttg agatacggca aggagctgag gtgacgtgc 180
 ttgcatagat cacgaaacag ttacatgta cacagcatag gccagggaga tatcagattg 240
 gttgggtagg atgaagatga aaactgggtt catccatact gactgcaaaa taaaactgtg 300
 atgacagata agcttagtaa aagaataaca agaactata gcgtagcgat aacccatta 360
 aaggctagga ctatgagcag gaagaggctc tggcaccaca taatcaaccg cgaccacact 420
 gtggatatga tccctaagct tatgc 445

<210> 29575
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400017h07d1
 <400> 29575

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 gtgatttggg gacaatgata gatgattagt tccaaatccc tcaatgggtca gggantaaga 120
 gaaactagag aaagaaaaaa aaaagaaaaa agaaaaagaa ttacattcca cctcccagt 180
 atacacaagg aaatgacatc aatatctatg cagcaataga gggatgggtt tggtttttgt 240
 gctgtgagtg catcatttag gagagacatt atctccactc tttgtcattg tcagtttccc 300
 ttgcatccag cttcttagca tctcaagtgc agcttttggg tgatccatag ggaccatgtg 360
 accagcctcg tataccttga ggaaagatag aggtccatgg cttttcagcg ttctgcttc 420
 tgcaccatca actaaaaatg ggactgtacc agacgcccc aatgtttttg accagaccac 480
 tccattgcat taaccacct tgaattccc ag 512

<210> 29576
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400017h08d1
 <400> 29576

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aagaaaaaaa gcaacaattg ctgaccgtct actcttttctt ttctccgatt aaaacagaag 120
 atataatatg caggagattg tatccctttt gtaactagtt acaaattcaa tatgcaagta 180
 ggtaataggt atattcaccc acatgacaaa aaactgcaag taggcattgc cgatgtaaaa 240
 gaatctcctc tgcaacgcaa aaacatgtct ggaaaaaggg atataggggtg gaaggggctc 300
 ggttgcttga agttagttag gaacattcac gaatccaagt tcactcgtcg catcttacag 360
 acgaggtttg ctgttggcat atcaagttgg tttcctgaat ctgtcttcaa aagatctttt 420
 agctggtttc ttggagtaga aagacaactt tggaatg 457

<210> 29577
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400017h09d1
 <400> 29577

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 cttaaacaaa ctattgctat gttttctttt aacaaataaa agagagaaaa aaatacaact 180
 caactaacta agacaaccac gttacacagg aagagcttct tctaatgaat ctggggcacc 240
 actactaccg ttgagcacia tcacattacc atcggagtca gcatcaacta taactgagtc 300
 accctcttta atctctctag caagcatctt ctgagccatg ctgtcctcca aaagtcgcat 360
 tatagctctt cttagaggcc tagccccata actcggatta tatecttcgt caaccaccct 420
 ctccctaaat ctttctgtta ctgagagatc aatttccttg gctttcagtc tatcaaacac 480
 ctncctttcac attatgtctg ctatctcct 509

<210> 29578
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400018a01d1
 <400> 29578

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ctataagagg ggacaatgaa atttggcaac tagtgtctta ggtcctttaa ttgctttttt 120
 aaaagtaaat gtccataccg taccctttca agcctactct caaccatgta catttcatct 180
 ttgaggcgat gaattctttt ctccagccac gctatgtctg aaggacttct agtgacctca 240
 ttgttcatcc tgttcatgat gtctacagga gtgttcctat gtatgtgctg aggcctggcc 300
 aataacacac gtatgctaaa ctgaatgaag aaaatcagag tgacaatatt ttttaaggagc 360
 acagaaagat tgctatgact tctcacagat gacctgaact tcgtcataca ctctttaaac 420
 agtgaaacac catgatgggt cgatgaaatt tccct 455

<210> 29579
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018a02d1

<400> 29579

gaataaatct cttcatacat aaaataactt caaatggata acatattcca actagttaaa 60
 tatgattcaa tgcgtaacac tgcgtaagaa atacttgaat aactcaatgt aatcaaaaat 120
 agcaaaacca tagtttatca taacaacagc cgtcataata tagcaaaca aaactacata 180
 tgatgattaa acttcacat atctctctat cgaaagcagc ttatacagct gctgccttag 240
 cagcactgga aagcttggat ctctcttgg ccaaactctc actgcggcgg tctctctgct 300
 ctttcaacct ggaggcaagg agtttctggt actctgctgc ctcagatttt gccttggcaa 360
 tctcttctt cttatcagca attcttgccc gctttctttg gagcgtaaga ggagtgacca 420
 gtctttgtat cttgggagct ttgctcacct ttttcccagc ttttgctgta aatgtacgac 480
 cgtaggtggt gacatacttc ctaacatc 508

<210> 29580
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018a03d1

<400> 29580

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 actgtctttt ttctaagcc actatttaca cccaccccaa aacttacgta taattgctct 180
 agaaacaaaa cctattatgt tctcatctt cctgtacttt ggttgaaagg aacatttgc 240
 tattttgttg caccattctt tttctctcga actatttcac agatcacatg tctcattttg 300
 tctctacttt ctcaaccttg gtttcacttc tattggatta ttcttatata gacaaaacgct 360
 attcacaagg aacagcgtag ggaacacaat tccagcaccg gcctttttaca gcaaaaagct 420
 cgagtgtggt gcaacggatg aaactgcacg g 451

<210> 29581
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400018a06d1
 <400> 29581

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 ttatttgaat tggggtaaaa tcagagaggg cataaccat aatgaggaa attaaatact 120
 aacaatatat taacagtaga aagttagaaa cttaatgctt acacgtggaa gacctgccag 180
 agatagctat aattctagag gccatactgt ttcgaagtaa ttatctatag aagtgcctta 240
 taatattgct tgcaatcact cttcattcct ggtaagtga aacaacatag aatagcacta 300
 acttgaagca gattttacac cagccgttat tccactaata tttggcagac gcttctttat 360
 ataatactta gaattgcggg aaagattgat cattctcctt ttttttcagg atgaatatca 420
 attgaaca 428

<210> 29582
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400018a07d1
 <400> 29582

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gaattgtcct ctatcgaatc attaaggaga acaccatgat tttggaacat ctgtgactat 180
 actcaattcc cccttatgga tgaatataat attcgactgc catactgaca atcgaaacca 240
 cacagactaa cagtaacggg aatcccttct gagctcttat catcttaatt tactttctca 300
 acatgttcaa ctcttgctta gcaaattctg ttctcggatg tcttgcgctt cttttattca 360
 acttattgat ggtaccttaa cctttgttag ctttgatcca ttatactcaa tcttgattca 420
 atccctcgaa tcctta 436

<210> 29583
 <211> 376
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018a08d1

<400> 29583
 aactccaaat acatacatat atactgttca tttgtttggg aggggaacca atcattaaac 60
 cacatatgaa caaggcctcc tccacatata aaagaagtaa tgagagaaaa aaataaaatc 120
 agaggaagaa aaaaaagaga gaaaattttg cttttgttta caagagatat ctatcttgct 180
 gtaggctgtg caattgattc atcaattgac atgtaactct caggttcacc tatatccatt 240
 gaccccatgt tcatggaaga atgaaaagaa tatgttgcat aatgtctgac tcgccttgct 300
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 aaattgaaag ttaaca 376

<210> 29584
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018b03d1

<400> 29584
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 atcacatcct tatcgactc tttgcacgtc tgcaactcta acaatcattc tggagttggc 180
 aacaacatta aatatttggc ctcgtgctga gatgataagc tatcttttgg cctatagaac 240

ggtcagcctg agaccagtat gatatccaga cactgcggat ctcatgggtg acccgtgggt 300
cagataaagc atcaacccat cggtgagcaa atctatcttg cctgtcaggt gcccaagacc 360
ggtgtctctc tccgggctgc tagaactcgt actccttctc aattccacac ttttcacgcc 420
ttccactgca tatagcacga cgaatgggga accttttctg atgacgaaca tgatcatacc 480
ttgaaggga 489

<210> 29585
<211> 495
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400018b08d1

<400> 29585

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aatacataac agtatcaaga gaatgatatc aaactcaacg tgacaaaatg gcttttggtta 120
ctttgctacc tggggaacat ataaaagtaa aagaactata taaattaatc cagctgagga 180
acccaaaaat tcagatctgg gccaaaacaa ataggaaaaa ctgagtaaaa aaaatctccc 240
tcatttgcta ttacgctgct gtggcatagg tgggggctct taactcgatt ttctatcctt 300
tctttccgca atacccaaac ttaacatact ttgaaccct ttattttctc cacaaaagaa 360
cattcgacca gaaccttaaa gaattatgtt ctaggtcttt cttattcttc aattcatgaa 420
gctccgagct tctctttgta agaacacagg agagacagga aaagtactga atgcaacagc 480
acaacgcagg acaca 495

<210> 29586
<211> 438
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400018b10d1

<400> 29586

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cacccatagt ggatactcaa aagtatagt aactctttac ttgccaatg atccaagctc 120
atggctcgaa gttctcatgt tcacttcaa actcctgctg gttctgggtc ccgtttagt 180

tgccacctct gttgtgttac cagttgttag tgttcacttc ccttgatgag tcaccatagt 240
 ttgttggatt gtacttctcg gcggcaacgt catgaaagta ttttccaccc tccaaaaacc 300
 ttgtgtcact cattccttgc ctctcaccat tgtaccggtt aacggcattg ttgttgttgt 360
 aagtattgta cctgttattg ttagcattgt aattgttggt gatgttggtg atgagtatat 420
 gccattggca gcaatcgt 438

<210> 29587
 <211> 445
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018b11d1

<400> 29587
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 tgctctcaaa ttagtcagca ggaacaaaga tagagagatc caacgatctt taaatttcac 120
 atttgccata aatatataac agaaaagagg gtatgggata tgagttaagt tttgatctca 180
 ttcaactaca gtatcccaaa ccattactct taagactttg aacttcactt gtactccagg 240
 atcatgttgt tctcaggagc taatccaaca caagccctta ggatgttttc cagcatagct 300
 tgctgctttg acagtgcatt aaccactggc gtactcgggtg gaaccagagg ggccttggtc 360
 aggtaactga ggatggtcgc aactgggtgg aatgagtgga actttccctc atattcagct 420
 ttaaactcga ttcgagtgtc aagct 445

<210> 29588
 <211> 476
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018c04d1

<400> 29588
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 gttatgaacc ttagtcttcc cgaactggtc gaggtagtgg aggaattcca gcacgtgcgc 180
 accgctgcac aaggtaagg agagtgggtg acgggtggtc ctcagggtact ggcagaacgt 240

gttccagtc cttcgctttt ggttctcgta gcggtcggga gtagtagtgc tcctcgctgt 300
 gttgcttccc gaagacggcg acgacactgt cgccgccgtc gttggatgat ttctggtggt 360
 cgggggtggga actgtttcca ttttgaacct gctgatgggg tttgtaaccg ttgaaacgac 420
 gttatttgat ctagaacct aatccttggga tctgatatgc ttttctttaa tccctt 476

<210> 29589
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018c05d1

<400> 29589
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 aatggactaa aaccctatgg ctgcttgtga atttgaaaat ctcagacttt taccatcaaa 120
 acaaaaaaca gtactcatca aaaacaaaca gcaacgaaaa tgttaccgcc gatcaagaac 180
 ccagttttga aggctactgc tacatgaaat cggcggacac ttcaaaatat aactggtaaa 240
 acaaacacct aagactctgc aaagataaac tactgtaaag gaacaagttt ttttgaaacc 300
 acgttgatga tcacatgtgc tagcaaaatt gccaaaatgc aatcactttt tcttggcggc 360
 agctcttggtg accttggtgc cggcgggggc tttcttctta acactcttga tgacttcaac 420
 agctacggtc tgacgcatgt cccttacagc aaaacgacca atgggagga 469

<210> 29590
 <211> 535
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018c06d1

<400> 29590
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 acaattttga tggctggggg gagttgatga gagggggaag agtgaaagaa gaggcaaata 180
 gctgacatat catccatcgc aatgccactt tttttccgtt tccattcatg tatggcacat 240
 ttcacaagcc tttgagcagc ttttcttta tgtgacgttg ctgaaacaat cttcactgct 300

tcttggttgg atataacatc ccatacccca tctgttgcca agatgacaaa ttgatccctg 360
 gtggtaattt ttctgtgtgt gacattagga acggagatta gtccaaagtc cttcatgcag 420
 tgggtctcaa agctctagat attgctagtc ctgggtgtta ccatttggat ccaaccctga 480
 cacttctggt tatcttcata caaaatacct tcttggatgt gtatgctttg cctct 535

<210> 29591
 <211> 450
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018c07d1

<400> 29591
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 aaatccagat ctatacttcc aactgtattc agaaacataa attgaagcaa taacaaagct 120
 caatctccaa ctacacatata caagtaaaag aaggcacaaa gtgacagtgc tcacttctca 180
 acaacacaac aacaaaagaa aaaaagagac tagttatggt ttcacatca tggtattata 240
 tctaaaacac caagctcgaa aaccacgtac tatatatthca aatccatata tgtaaatttt 300
 aatcacgtaa taaaatcaac ccaaaactga ataaaagtga taagattatg taagtatgag 360
 aataaaccctc atatatttat atagagagag agagattgag agagagagag aaaggagcaa 420
 ggtgaaattt ttaaaccagt ttccaggtaa 450

<210> 29592
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018c11d1

<400> 29592
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 cacctaattt acaaaaaatc taattatttt tttaaaaaaa cacctctcat tcattcactc 120
 actccagtac ttctcatcac cctctttctc cttccctca tcactctccg acccatcccc 180
 gcccatcttg aaccgcgtca cattctccac cgctgcgctc cggaacagcc ccacgtctac 240
 ggcgcactc accatgtgat acccagcga cctcaaattc cttgccccat catacaccgt 300

ggcgaaacct gcgagataag ccccaatctc aacgttgctg ttctggctct tcaacacctt 360
 gttctcagca ttcttcaaaa ccttcctcac ttctctgttc cctgagtcca caaggacctt 420
 aaactcgcg tcagattcaa cgggccatct gcacgcagtc tacgcca 467

<210> 29593
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400018d01d1
 <400> 29593

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 aacactctct aataaattga aaacagaatt ttcattgtatt ctactatctc ttattttatc 120
 aaccaccaag tgaaaccaat ttctcagtttc acctagtgcc actgagctag ctagcttttag 180
 ctgcatgccg aaagaagaac atttgggata ttgagccaat ccaatagata gagggcccaa 240
 ctattaattg ggcttcttgg agttaccatt tagggggatc caaaggagga atttcaccag 300
 ctgagtttac acttaaaatt ttctatttag caacatgggt tggctatgta aaatc 355

<210> 29594
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400018d03d1
 <400> 29594

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 ttcatTTTTat gtcagtctaa ttccaccttt agtgtggaaa ctgcatgtgg agatagatga 120
 caacagacac acatgaatac cctttcaaaa tctgaagcct acacaagaac aaattacatt 180
 tccttttcta taattctaca aagattaaac acacttcaag ttccatcca ccaaagcta 240
 tgggtggttga tataaattag aggcacaaag actccacaaa aatgatgcaa cacgattctt 300
 cattgaaaac atcgaagtga gagcccctgt gaatcttgtt caaatggcaa cccaaattaa 360
 cccattttgc aactgtccca gcactgctac tcggaactat ttagtctaga atcctttata 420
 gcatgtattt accaaggcaa tttttgcatt ctctacctta taag 464

<210> 29595
 <211> 356
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018d06d1

<400> 29595

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 cctttgagaa caattctcat atgtatgcaa ctggttcaat aatatgccca aacttcatgg 120
 tcatatttat atataatacc ataaaagggg aggtttttga agagcaaaaa gacaattcca 180
 aaacgtgtat tggaggaggc aagaaggaag agagtttttag cccatggcat acttctgggt 240
 ccagcttcta gcagtagact catacttgaa tttgtcggtc ttgcacaaat gagcaatttc 300
 aggcactaaa gggcatcaa gatttggatc cgttagcaga gaacatattg agaagc 356

<210> 29596
 <211> 436
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018d07d1

<400> 29596

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 cacaatattt tcatcaatta aactctaag tgtaagaaaa gggctaattt acaaaacaaa 120
 aattatactc tatatgttta tatggaaaaa tcaaaaagcc aatttcctaa atctccaaaa 180
 cacaccagcgt ttggacatgg cccctgaacc cctctgggct ctccagtttc ctcccattgc 240
 aactcttcac atcgaacgca taagccacgt ggacttcacc atagccgctg gatccaatca 300
 acaccagcgt cccatcaaac gccccaacgt acgacacgtt tcgtatctcc cccgggaggg 360
 acgccatctt ctgccacgtg tccccacgaa gggcaatcaa gtccctgccg ctgcacaaga 420
 acaccctctc gtcac 436

<210> 29597
 <211> 98
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018d08d1

<400> 29597

tcgctcgcga tctagaatcc tcgagcccggt atttttattg tttttatgat tcttttttat 60

ttgtattttt ttatgggttta tttttttttt cttgcacc 98

<210> 29598

<211> 436

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018d09d1

<400> 29598

ctgtgggtcga tccttttttat aacatgtctt tggtatttaa taatcattta tttttgttta 60

taaaaaaggg aacggccatg ggggggaccg aatctaatacc gccaaaatta gctaccaaaaa 120

tggtttttaa tgtaccaaac ataaccaga aaaaacaatt tctaattaaa taaaacaaaa 180

caccttttac ccctaacca aatatccctt ctattcctac aaaattgggtg gctgggttttt 240

aactttcttt gaaacagcct ataaaacaga ttaatttttt aagaaaggaa cttttggcaa 300

tcacaagaat ggcatttaca attaattatc ttcaataaag tttttcaatt tatcacgggt 360

cttatcagac aaattgcaat ctttgaaaca ttaactttgg gggggacatg atataacaat 420

gttttaaatg ggtgat 436

<210> 29599

<211> 393

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018d10d1

<400> 29599

caaggagaaa ctgacatgat aggatataat tatataaaat tgtacatagg aagtggaaat 60

gtgaatgtgt ggcagggtga taaaaatgaa aagagaagca acaataataa agtgaatgag 120

aaattttaat atcacggact aaaatatcta ttcactcgaa attttaatgt cacggtctct 180

tttgactca ggaggagaga tatgaggata gcgttttagtg tcagtgcagt agttgtagat 240

ggtgtatttc tggcgcaccc atctgagcct acgccactgg gcggtgtcaa ggtcacggaa 300

ctcaggctgg tcccaccacc tcttgccctg cgtgtcgcag aacttggcgt tcaccgaagc 360
ctcgtacccg tcgatgtgaa accccttgta cgc 393

<210> 29600
<211> 521
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400018e04d1

<400> 29600

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ggatacaaca tgtatactgg tcatattcaa ctctagagag ctttatctga tatgatcatc 120
cttaacatat tcaaagatag ctaaatactt aactgtataa tatatcacac aaacgtagag 180
tgacatatat agagtaaata ataaatataa gttaaattta tacacacaaa ctatgagtat 240
ataacatcgt tatccaaata ttcaacaaga atttacttta ttaccgcac atgttaaaat 300
gttgcgataa agtggtgaaa tcctattgaa tgcttgagtc aagatgcttt gtacgatcaa 360
agtgtgtata tatcaaactg tctatctata tatatatata tattccacac ttttaattatc 420
agaaggctca attaattaac cagttgaaa ggaattcca caagaagcaa cggttcttcg 480
ggcattatga gagtaacata ctgtttaagc tagcgttttg a 521

<210> 29601
<211> 403
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400018e06d1

<400> 29601

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tggctaaatg gaatctgccg cgctagatat cgcataagca tctactacta ccttataaac 120
taacttgtaa caggggaagt atgaaccat aaaagtaaaa acatggaagt tagaagccaa 180
attcgtacac aacaatacaa agaggaggct ttactaaact aaattcactt ctttcttttc 240
tttgggggct gcaatgcttc ctcatcttc tcgtctcttc cattctcttc atccttagca 300
ccatcttcat cctcttcttg acctgcctcg tcctctttcg aatcaatata gacatcctca 360

tcgtcgatcat cttgatcatc accatcttca tcttcataact ctt

403

<210> 29602
<211> 441
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400018e10d1

<400> 29602

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attaacacct aggacatata tatgtctaca ccaaacatat agctacaata attttctcaca 120
gaaaagacat taatccttga tgagctccca ttattggttg gctggcgtgt cttagcatcc 180
cctccaactc tgtagcaaac ctctccatgg ctttggttg caagctaatt ggtaccacta 240
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ttgtcattcc acccgtggca ggcccaccat aaatgggctt gcccaccca aaatcaacct 360
tatatagccc aatacgtgta agattcgaaa caaggtagga cctcgtagtt gcttgaaggg 420
gtctttcttt caccacaatt a 441

<210> 29603
<211> 328
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400018f02d1

<400> 29603

ggagggaaaa aaaccctttt ttttttcccc aaaactcaat tcaatctccc aaaaggggga 60
aaaaactccc caactcaaaa aaaatcccaa aaaaagggca aaaaaaccgt gccccaaaaa 120
agacaaaaaa ggggccaag gaaaaaatct ttgggaaaaa aaataccagc ccccccaag 180
ttaaaacagg cgcgaggccc ctttaaaagg aaacccctc ctttttaaaa aaatttgggg 240
ggggccctac caaaaattcc ccaaaccgtg caaaatttta acgccccca aggggtgaaa 300
aaagggccgg gttgggcaa aaccaaag 328

<210> 29604
<211> 413

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018f03d1

<400> 29604

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 ctgtttgggtt tattaactga acttcaaagtg tgggaaaagg aaactgaaat gggagtaatt 120
 tataattgga actgcaggag gagttttcag agtatgagaa aatatctgga aaaagaaata 180
 tgcattaact ttcagatctt ttatgaccct gatccccatt cgccctttgg atcatcagcg 240
 tttttttgac tttgtgcaag gcatgtttta ggtttttcag gtcttgactg gcgaatttgg 300
 tattcacgaa taatccacta taaaaattaa aactattttt gatcatcgtc gactttaatt 360
 taacaagtgt cttcaagccc ttaacgtcaa taggtgtgga ttgatatcca ttt 413

<210> 29605
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018f05d1

<400> 29605

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 attggccaca accacatttc ccttgatggg tcaccatcat ctgcagcctc ggccagatct 120
 tcgtccatac ttttcaacaa tgaaaaattg aagtattttg accacataaa acctttccgt 180
 tgttcaatag ggtgctgctc ttccatagaa ccagtgttag gatttatata taccatcttt 240
 cgtgcactat gataagccca tacattgatg agaagttcca acacgcgaca gtagcagtgc 300
 ttctttctcaa tctctgaaga gcctaacaag cacaggctgt atttagtgga gtctctgtgc 360
 ttaacatcaa tggaatcaac aaacattcga aagaacatta tgaactccaa gaaagaagag 420
 gttggcatca ccagctgtg cagtgtgac caataaccac catc 464

<210> 29606
 <211> 209
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018f08d1

<400> 29606

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 tatagcaaT tttttactta caagggTggT tttccatttt tggaaaagggt gtctaaacca 120
 aggggaacttg gaaagggagc acaaaatctc ctttgctcaa ggccatcgaa attggccggg 180
 gcaaaattct tgggtaatgg cccaacctt 209

<210> 29607

<211> 54

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018f09d1

<400> 29607

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<210> 29608

<211> 446

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018g02d1

<400> 29608

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 tcaaatttta cagcactgcc taatgcatgg cctagtTcat ctatatacac tacattctgc 120
 acaccctttt gcattcaaac aaattcaaga gaaaaattac aatgtataaa aaccaacaaa 180
 tatgctataa tgctatgcgc cagacaatg aaaaaagaaa agaaaagaaa gagaaagtaa 240
 atacttaatg ctgcaaactt gttcagtcag ttccattatt tgactttaat atcgcccttg 300
 ggctcggagg aaaggttctt ggaggatgga gatTTTccag tgatagctat ctttgctttc 360
 actagtgact gcttaacctt tgaaatgatg ttatctgatt gcttttgagc tggtttggtc 420
 ggagtttctt ttggaaggcc ctggat 446

<210> 29609

<211> 464

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018g05d1

<400> 29609

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ctcacatggc cctaacagct tggaatcttg gttccttggg aaggaaacttc tgctcagcat 120
agacagacat gtagtcacca aaaacaaact taggataagt ttcacttact tgttggtcctt 180
ctttctccac aagttgtggt gcaggacata tgggtggcctt gaatgaagga ttatagaagg 240
aggcaattga tcttctgttc ccatctgggtg tggccagaac cctgtgccag caactcttgt 300
atctaccatt gctcaagacc tcaatctgat caccagtgtt gatgacaatg gcatttggca 360
aaggctgcac atcaatccat tgcccttctt tcagcatctg aaggccacca accttgatcat 420
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<210> 29610

<211> 455

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018g06d1

<400> 29610

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acaaacagaa acattctcct tttgttgaat cctaattttc tccttcagat ctagattgag 120
atctccccct cttctcttaa tctaaccttg ttatttaata ttaaaaaaca aaagaagaaa 180
gagatggcaa caataattga tattcataat tagagaacag cagggaaaga gttgctccca 240
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tcatacgaga tccggaaact ctgttgctgg atgttaccaa ttatggacaa accactcata 360
gttcgggcaa acgcgaagca gaagcttcca ctgttgacca ccggaatcaa gtaattcggt 420
gccggtatgg acacgtcagc acctctgaaa tgcatt 455

<210> 29611

<211> 473

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018g10d1

<400> 29611

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 ggcacccatgt tacaacagag gacaccaatt taataaatat aaataaagga tatcaaaatt 120
 aatacccaac aggaaaaaag aagaatacgt tgatatttct aactaacatg gtgcatatga 180
 ctcatagtgg aagcacagtt acacaggaat ttcgagtagc caaaaaaccc aagaatttgg 240
 gaatctcatc ccaggcttaa acaatagcat actcgagctt ttctgctcc ttaggtcgcc 300
 acttggactt cttcacacat aacaagccct ccttatacctt ggagtaagtc atgcgaacct 360
 ttcattgcat agacctagcc atgctctcaa gctcttcaac gatctccaca gtgtcacgaa 420
 caataagttt tccttcaggc ctaagaattc gatcagtctt ggacactaca gct 473

<210> 29612

<211> 507

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018h01d1

<400> 29612

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 cttctgctga tcaccgaaa acttcttctg ggttttcaaa tccttaggct cgtcaccacc 120
 cttcatgttt ctcttggtcc aaccaaacca taccttcttc tctttaaccc caccaccatt 180
 ggaaccattc tcatgcccac caaacctcc tccaggctcc tcatcttgac aaatagcatc 240
 agaattcccc attcgaagcg cggaatccag ttgcatcttc tcctcagcag tcaacacatc 300
 atcactactga tcatcattgt tgtctccatt caccatactc tccccatcat ccacagcaaa 360
 aagctcctca tcggctcattg ccccgggcac cctactggac tttacactca ccatcacatg 420
 aagcatgtca tataccctag ccttccaatt ccacaatct cggtcttctc ctgcgcgcgc 480
 cattcaaatg cggaacaagc tctgcct 507

<210> 29613

<211> 571

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400018h02d1

<400> 29613

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 ctgaaagaaa caggatatag atcagcaaaa atttccttta tacaatatcc cttctttgat 120
 ttatgtccat aattcgcttc tctcccagct tttggcatag taggcatact caaagcatat 180
 ctacatcctt gcagtcagat taaagtttgt gctctatgat atgctgcttt ctatcttcaa 240
 tgctgtcata aagactctca acaaggtgaa gcaaaaattt atctgcacca tgtctggcca 300
 ccagagaaat tgatagggga aggttattat acatccctag cggtatgctt acctgacaaa 360
 atcctgatac tccagcaatg gacagcaggc taaaagccct tgcacgaaaa atttctaagt 420
 cggatgtatt tgtctgtagt tctgggtggag gacctggaac tgtggggatc attagaacac 480
 caaagtcccc aagaagagcc gaaagagcat cgtgtagttc ccttttatag aataacggat 540
 ataatgtttt ccccttgtcc taggcatttg a 571

<210> 29614
 <211> 304
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018h03d1

<400> 29614

accggaggtc gccctttctt tcttctttta aagtctttta aatctgagat ttgaatgcaa 60
 agtaaacctg atacattcta ctgagattga cccaaattac ttatatggga agtatatctt 120
 cttgctaaat tgctatagtt aaacattgat tgatctaaat attagaaaac tattagggag 180
 tagactatca ctttaagggtt cttattttac tagattttct atttaataata cccatttata 240
 cgttattgtg gcacaattag atgccttact ggtacatggg ctgcttgtgt tattgccgag 300
 aact 304

<210> 29615
 <211> 378
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400018h09d1

<400> 29615

cacaccggaa ttataaattt tcatttgtaa ggggaggaaa gtggaatagg agtgtttaac 60
 ttttggggtg aagtgtaaac tacaaccaac tacacatgaa gcaagatttt cgtacaagtt 120
 ttgtatgcac acttcgcaaa aaaaaagatg ctttcacctt tatgtgcaag cctaaaaatc 180
 aatatactat cacatgaatg tcataaagtg actacacaac cagagaacct gaaaaacaaa 240
 ccttttattt ttaattacaa tggacccggg gtacaataaa agccaggcca ggaggacact 300
 tggaagattc atgtgaattt ggggttaggc acagggccac tattttggtg caagggacca 360
 agcttttgaa tccaatga 378

<210> 29616
 <211> 365
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400018h11d1
 <400> 29616

gtctaacata attctgaata aataattaa tactctttgc tacaagaagt ccatctatga 60
 aatacaggat tcaagataat ccacttccac caaaaattcc acctatttga atccggaatc 120
 cgattgccga aggcacttca tgttctaaaa taactttatt ctctaaata catattgaaa 180
 gagcaagttt cgtttcttat tttcaataaa caaactgagg atgactgaaa cacatgatta 240
 tagctacaca tgagactaga tcaaaagcca aaccagcacc aacaaaggaa tataatgtga 300
 tatgaatgaa tcaaacagtc aaattttaga acactcgga cggtgtaacc ctgcaatgct 360
 agact 365

<210> 29617
 <211> 102
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020c04a1
 <400> 29617

aaaaaaaaaa aaaaaaatt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaag 60
 ggggcggccg ccacctaaat gaagctctc aaccgggaa tt 102

<210> 29618
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020da03d1

<400> 29618

gggtgactta gggttatcct gcatttcagt ggtgtggtca atatattatc aagttcagtc 60
 actaggccca gtcagaaaga ggacacacaa cacaatcatc ataacatgaa atagggtccaa 120
 agctaagcca ttcaactggg cccaaagcaa atacttggtta aactttgagc aacaaaagaa 180
 aatgtcgccc caacattagg ggggggtccta tctgtttttg taaataacag tacctcacat 240
 ctagaagccc ccattaaaaa tggatccctt taatgcagag cacttagcca gcaatgacaa 300
 actgcatgaa gcagcagttt gctaaatttt ctgtatgaca actgaatttg ccagtcctgc 360
 ctgctctata gtctgagttt catcaattag aatctttggg gggaaacca tcaactgaag 420
 ttgataattc tgccgacccc caggtctaga tgcattcaatg aaagcacgga tg 472

<210> 29619
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020da04d1

<400> 29619

attcttcccc actttatatt tacatgcctc tcccaaattc ccctccaaac aaatgtcttg 60
 gggggggggg aaaaaaacg caccgcggcc ccccccgaag aacaagcaag cctttcccaa 120
 aattcaccta aaacaggggg ctctaaaaa ttcacccac cgggttcctc cccccggggg 180
 aaaaccccc cccaaaattt tttgggttga gacccccgcc ccctttccaa aaaaatccaa 240
 agcagaaaaa cccccggggg gggggccctc cccccccctt tttcttttgg gggg 294

<210> 29620
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020da05d1

<400> 29620

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 atgaccatct caggaaatat ttttttatta ctttctaaca aacattattg aaatatatat 120
 taccatctcc acactcacia gaatccaata agatttcata aaataaatat cccttacata 180
 cccttcaaag gtcctagtgc ctagttccgt aactgtgcag attgaatcag ttgggccaat 240
 gcagcagcat actgaacagc tgtatgctga gaggtataat tgtcagaaag cccatattct 300
 gcataatttg gttctgtatg catgaactga ccggctaag atttttttaga cagcacttct 360
 ttccatatat caatgaactc ttccaaaatt tgcttggaatt tttcaactga cgagataggg 420
 agatactcaa tctcaatcat aattcctctg agactctccg cttgactggg aacaacttta 480
 atcacctga tctgaaagtc acccaactta tacagcactc cctcgaaatg aagggcgact 540
 ttggacttgt aggactggag tt 562

<210> 29621
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020da07d1
 <400> 29621

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 aataatataa cacattcaag aaaggagacc caacacagca cccccacaaa ctgcgagaca 120
 aaagaacact gcaggaatac acagtaggat atcatattct tgtcttcaaa cagcgaccta 180
 aatcctcttt cacgggacca aaagttgaac cctgatccac acgagctttt ccctttcgcc 240
 tccaaaattt tcttcattcg ctgcaccca aacaaatcaa atcattcgct cgtcgagact 300
 gcaatcaaat caaacgatca agaaagctct caacagccgc tctcctccc gtgactctca 360
 cttgcgtgag ataaacgccg aaatccaaca ataaaatcaa ccaatgaatc catgatcacc 420
 gcctcatagc gaggaacca gggaccggaa cg 452

<210> 29622
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020da09d1

<400> 29622

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 acattcataa accctggccc caatatcact aaacaaatga tcctattctt aaaacgacct 120
 aaatttatca tctctatcat tccatttaca taaaacg-tg atataaaaaa ataataacaa 180
 attatattga aaatggaggc aattttcatc aattacccaa cttaaattga tatgttgagg 240
 tcaatcctag gtttcttcat ggaaggaata ggaacaagag agttacacct aggacactta 300
 ggggttgttct tcatgatcat tacatatgat aagcaaccag ggcaccctgc agccataggt 360
 gatgatgaaa cattcagcct ctctttacat tcatcttctt gaattgtggt ttcctaate 420
 gacgacgacg aggaggaata cgaaagcgac gacaccgaga gaggtgactt caaatgagg 480
 ttcttttctt gacaatag 498

<210> 29623

<211> 388

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020da10d1

<400> 29623

gaaggctgaa ggggaaataa accccctttt caatcaaact aactaaaatt cttgggggta 60
 taagaatttt tatttccaaa atttacttcg gttctttgta acatgaccaa ctggccacat 120
 gatgtcaaac caatttcgta atttaagaaa aaggaacaga aaatgtatac ttgggggttcc 180
 atatgaaaac attttagcca accttttacc ttagccacca tttttgaatt gtaaatatag 240
 gagttttcaa aaatggccca tgggggttga tgagcggatt aaccgacctt ccaatttggg 300
 cccaaacact ttgatggtaa ggggcgggta caggaatttg atacatgagc tttaaaaact 360
 gccagtacat gaatgcttgt attatgtt 388

<210> 29624

<211> 506

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020da11d1

<400> 29624

gcagtaataa tgtcaagcat ttgattaaat taaacaaaac agaaaggcct cacaatagcg 60
 gaacccttga gatccaaacc acaaacaaaa gcagcaaata agaaagtaca gagagggcaa 120
 aaaagtaaag agagaaatta atcgacggtc tgcattgacat cctcaggagc gaacttggtta 180
 cccttttctt tgteggcggc ggcgcgaccc ttggccttcc gatcgagcaa ggatttgcg 240
 tccttgtcca ttcgaagctt ggtgacgaca accttgggaag ggtgaatgcc aacgttgacg 300
 gtggagccgt taaccttctc gcgggtgatg cgctcgatgt ggatgacca cttgcggcga 360
 tagacctgga ccactttgcc ctgcggcccc ttgtaggctt ccctcaccac ctgcaccttg 420
 ttcgctccttg cgaaccggaa tggaccgcac gttgtacttc gaccggagat cggtcgagag 480
 aggcgcgctc ataagacgcg acgcac 506

<210> 29625
 <211> 532
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020db01d1
 <400> 29625

aaagattgca acagttataa taattaatta attggatatt ccattatata gtatcctttc 60
 caaaatatca tgagacataa aaataaaaaa caaagaagcc tggctctctgt tcatacaaca 120
 ttatatcaca gattgccaat ctttttataa actagggcga ttcttaattt agcacaaaga 180
 aatgacattc aaagcccacc tccatgagag gaagaatacc acccatcaaa cctataatgg 240
 atatcagggc tcattctagct ggtcctggac atcagaagtc caaaggggtga ggttgtctct 300
 taaaagctgc attatgagcg tgctgtcttt gtaggattct tctcccaagg tgtccagctc 360
 agcaattgct tcctcaaaag cctgttttagc catggcacac gctttgtcag actgggttgag 420
 gatttcatag tagaagacgg agaagttgag agcgagaccc aatctgatgg ggtgagtagg 480
 gggaagatcc ccagaagcaa tgttctgggc agccttgtaa gacaacatgg ta 532

<210> 29626
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020db02d1

<400> 29626

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gggggaaaaaa tatcggtcccc ttttctcctt aaattgaaaa ttggacccaa aggaaatatt 60
attccccattg gactaaaata cccccgatta ccaaccggaa atttttaacc taagggtggt 120
ttaaaggtt tcccttaacc ccccataaca aacttccctt taaacagaaa tttcctttgg 180
ggggggccctt tttttgttta aataattccc atcttggggg ccccatccag gggggcataa 240
tcagggggca acccgacata ggcccttttg ggtccatcag gcctgccaca aaaaaattaa 300
aattttaaaa aaatggcctt ttgtgtaagt ttgaatgccg gtttttcaaa aaattggggg 360
ttcattt 367

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<210> 29627

<211> 543

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020db03d1

<400> 29627

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tggtgtacat gataaaaaaa aaaaaaagta atgtcttggg tctttttcat gtctttttca 120
ggtgttcgtt cttcttcttg tcctgtattc atatcttgat gtgtatccaa cacaatatga 180
ttattatggc aatgaaccac ctccatgaat gttaaccgct gtctcagggt cggagccatt 240
gatggatact gtccccaaat tagtgtctgt gtcattaccg gcaacattaa tagtaacttc 300
gatagaagct tcatcaggta catcagtgtc aggatcaaca tcaacgttaa tagtaacttc 360
gacaggagct tcatcaggta catcagtgtc agggtcagca tcagtgtcag agtcagcatc 420
aacgttaata gtaacttcga caggagcttc atcaggtacc tcagtgtcag gctcaacgtt 480
aacagtaatt gtgacatcag cttcaacacc agcttcatta gatgtgccat tgtcattgtc 540
gac 543

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<210> 29628

<211> 497

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020db06d1

<400> 29628

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 ttactacaag gttgctgact aaacttgaat catctctgct acaatttcgt aggtcacgcg 120
 ttccaaaacc gcttcagcaa cctcaacgca aatatgtctc acttgcggtt tcaactcact 180
 ccattcatcc atcgaatcca aactcagtaa ctttggttatt agatttgtct catttccacc 240
 caactccctt gtcctttccc atattatctt cccagctct tcgggtcccc tagtcaattg 300
 tttcaaacat tgttgttgtc tacaatcttt tctcgaaaga tttataggag tactaatctc 360
 tctcacacaa taaaataaaa gttgctttgc cttatgcaac aacgttttag acttcaacac 420
 gtggcaaaca tctggatttg cccaaggaa ctctcgcaac tccttgctac acttttctct 480
 ctggctgatt gaataag 497

<210> 29629

<211> 511

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020db09d1

<400> 29629

caccagacaa tgccctcaac ggcgtatact tggcacagta aataattcta caataagacc 60
 attatatata agatccatgt gacagatatt tactaatagt tgctaacata actagcatta 120
 tatgatgcaa ttgctcctgt taaagcattt ttgttaactt cgtaattggt cacaatcac 180
 aattgttaaa attcctccga cacatccata ttaacaaat ctccaaaac actcaaaagc 240
 atcctgttta aattccattt agcagaaatg attcgccatc tcaatatctg ccagggtttg 300
 taatgcaaca ccatcaatct tgaccgtaaa tcaatagtcc ctagaaaact tcaacatctc 360
 tgctcaaag gcaactctta aatgatcaag ttccctgttc agatcattaa tagactggtt 420
 atatgcctgc attggcgaag actgactagt ggggtggatt ctgacgatat ttgatttga 480
 gagggtgagg aagcttgat cggaacaaa a 511

<210> 29630

<211> 421

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020db12d1

<400> 29630

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aaacatatta cacgttttac aggggtacaat gaacacaatt taattttggg ttgggtgcct   60
ttactacatt atgccgttca aaaaaaaaaa aaatttcatt tgtacacatt ataggtaaaa  120
aaccaactaa caacagaaat tgtctggacg gaacttttat aaaccctac cgggaaacgc   180
ttatatattc cttaattttt tcatatgatg ctgttgaaga ctatagaaaa acccgtataa  240
aacaaaaagc atgacacaaa aaggtggacc gaacatgata aagtctactt agcaagcgca  300
tccacttgac tgaggttgaa actgagcact gccatttggg gactttaagt ttacattaac  360
catgtatttt tgttttgaaa agatagtgtt tttattccag gttgtgctgc ttaatctttc  420
g                                                                    421

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<210> 29631
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400020dc02d1

<400> 29631

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aaaattcgaa gcaataatct tctaaccata tctactacaaa taaatgcatg tatatacata   60
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gcaccagaac gaaactatga ggggtgttatt gctctgcctt gcctcttgct tctgagttct  180
tcccttggtc acgattttgc ttctacttaa ataattacaa ggaagaaagt acccttattg  240
actatagtaa ctattgagca gctcctacta catgaatttc ttcattntcc attgggctaa  300
aactcactcg tttcccacgt ggtttgtgat tgtacaccgt ctttgcgcca ccttccttcg  360
gcaccgacgc aacgccacca cccttgccgg cattgggttcc cacatacaaa ctcatgattt  420
tc                                                                    422

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<210> 29632
 <211> 414
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020dc07d1

<400> 29632

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 taagatacca tagattgaaa caagtgcttg ctgagattct cactcccagc ctgaattcaa 120
 tcacagcata ggatacaact tcaataagag gtacagttgg gaaaataaac caataacgat 180
 gtgaaaacaa aatagaagac aacattcaaa aaacgttttc ttctccacct cacaaaaatg 240
 gttcccaaca attgcctccc ttcccacata tctaaattca tctcagtttt ttatagctgc 300
 tgggtgtttct tgtgatcagt gttcaactca gatggggggc gggagggaca tcaagagtga 360
 ttccagcttg gatttgtccc caccgataa gacgccaatg cttttcaaca cgtc 414

<210> 29633

<211> 458

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020dc08d1

<400> 29633

aacaattgct ttattaaatt cataaatata catgagtgtc catatatcag attttaaata 60
 ttgatcaccg ttgcggagcg tttattaaaa ccttagtaca agtgacacgc atatataact 120
 aaaataactt gccaccacag tattatgcaa agagctgtac ttccatgcag aaagggtta 180
 cactcatcat aacctcccag tacagaaaga ctataaggtc tcagactctc agtaactatc 240
 agcgatactc attagagagg aatatgttcc aaggattcca caaatgactt cgaatgcagc 300
 aattgcaaca ctgagtacaa cctgtgacct tgaagctttt ttccaataa ttttgagaaa 360
 acataaactt ggcattaacg ctgacacacg tatactaaag agagaaccaa ttgaagccat 420
 cacaagccca aaaaagggaa cccaaaaggc aacacaaa 458

<210> 29634

<211> 345

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020dc09d1

<400> 29634

cccaaaaaaa aaaaattggt ttttacgaac taatcttccg atttttttct tcccttccca 60
 ttaccggggg gggggataac aaattgcccg ataaaagggg gggtttcaaa agggggggga 120
 gaagggggcca caatggcaaa ctttgccggg catataagtt atgttttttt tgaataaaac 180
 attaagttta acaggggggg gtttggtctc gcagaaacct ccctggaaaa aaaaacaggg 240
 gaagcgccgg taacaaaaca aaaagatact ggtgatttgg gcccttcatt ttttggggca 300
 agaccaccga ttaactcttt taaaaaaaaa tttgtccat tttac 345

<210> 29635
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020dc12d1
 <400> 29635

aaaccactcc aatcactgtg cttcttattt tacattctca catcttcaag ccattacata 60
 gtacatatga tacattacat accacagggt atttttatta tcaatacatt cttcaccact 120
 tcttttattt tgggaggggg tgggtggtta caagaggata ttggtatttt tttatcaagc 180
 acacatttga tattatacaa gataagtga aacaaattaa tattacacat aaagtttgaa 240
 tatccttgac agaaagctgg acggcttatt cacaacaagg tagaacagac aattactttt 300
 gcatctcagc aaactggctg caatcgattc ccttgtcaga aaatgcctct actagctttg 360
 ggaagagctt agcaagcatt attttaaate cagtagaagt tcccttttgg ttttcatgct 420
 cagcttttcc accacaaaaa ccacattcaa taggagcttc ttcaagatat gccttaca 478

<210> 29636
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020dd02d1
 <400> 29636

ggaataagg atataaaaca taatattaat aacaagcagg gggctgggag aacttcacga 60
 gactcaaact aggagaggct tccctcacat ctttggctct attattatgg ggttgccaca 120
 ttttcctttg cctgtggagc aatttcttct ccatcacttc caggttcact gccaggaact 180

cccaagctta gcagcacttc ctcccactcc ttagcaggcc ccttgcatga aagatcctga 240
 gccatgccgt tcttgataat ttctgtaaaa gctggagttc catagactgc aagggccctt 300
 ttgacagtct ttgatatagc atctcacatg agccggatcc acagtatcac attcaacatt 360
 gaaggcacc atttgaaatc cagggaagcc ttctttgaca gggtcacta atccacctgt 420
 tgaggcaaca attggtacag atccatagcg catagcttgt aactgaatga ga 472

<210> 29637
 <211> 470
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020dd07d1

<400> 29637

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 aaagcaagac aagcctacaa aaacaaggac ttgatttaaa agggaagaaa aaaaaatagc 120
 aacaaatgga cgccctgcca ccacaccaa gcccttgaat atgaggtacc tagccttaaa 180
 attgcacaac ataaccacac tgacaagacc aaaggaagac aagctaaagc cttttccaca 240
 ctctaaggca tggatgaagat gcttgattag tataaactaa aaagacagaa gactttaaaa 300
 gacatgaact aaagcttaag tctaagcaac attatagcaa atgtgcaaca gaagctaaaa 360
 catgcttttt attgtcaaca tccagctgta cataataaga cctagcacia gcttgacta 420
 tctagcagtg gataccatca accaagactt agtaactgtt ttctagggga 470

<210> 29638
 <211> 125
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020dd08d1

<400> 29638

gggttattgg ttaatatattt tacattaaaa attcatctat tttccacgt taactaaaac 60
 ttactaaca cggcaaaaaa aaaaaatctc aacaaacgtt tatccggcat ctacttaaaa 120
 aatac 125

<210> 29639

<211> 393
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020dd11d1

<400> 29639

aaaacaacat agttcaatat tgccattcag tttaggtacg taacaggagc agcgaagcat 60
 aaaagcaatg catccaaatt aaaaccacat tggtagtggg tcaacttttga acatcaaaca 120
 caacataaaa cagaccacta gaacaagaat ctgaagtaga ttctagtagt cttcatcctc 180
 ttcttggtccc tcaccagact cagcaccac ttcttcataa ttcttctcaa gggctgtaag 240
 gtcctcacgg gctttagaaa attcaccgtt tttcataccc tcacccacgt accagtggac 300
 aaaagcacgc ttggcttcca tggaaccaac ctgtgatcaa tgtgggtcaaa cacttcagcc 360
 aactggtgg agtttgaaat catgcaactg ccc 393

<210> 29640
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020dd12d1

<400> 29640

attagcaaaa taaaatcata actcaatggg atggcgcatt gattggtatc aattacagtt 60
 ataaacattg aatccaaact caattaataa aaaaaaaaac tcaaaagtat tttagacatc 120
 ccatgaaaca aattcctact ataattttag ccatcaagat gtcctaagcc ataaaacatt 180
 aacataaagc caatttgtct catgagagaa ccaaaaaaac aaactagata atattcacc 240
 ctgcatccag aatcaccaat ccacaagaag actcccaaaa agcatcaagc cttgttggtc 300
 atgttggtgg aaagccagtc caaacctca taaagaccct cccagaggtg tgcgcaggtg 360
 ctctggatgt accagtggcg ctgtctgaga gagtggagac ccagcttgtc ggtaatttca 420
 gcagcattca ttgcattggg aagatcttgt ttgttagcaa atacgagcaa tactgca 477

<210> 29641
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020de01d1

<400> 29641

cacatccaca catttataga acagaaggaa cacgtatcca caaagtactt catgaataat 60
 tcttcatttt tagatagtta catggactaa gtttgagctt aaaacatcga ttgcaaagt 120
 ttattgcgcc aaagcacttg tgtttagac aagaagtgca ccaccagcaa gaagaccaag 180
 tagagtcaca gcccatatag ccaagccagt cgtaccgcca gcgtagacat caccggttg 240
 agaccagtcc ttggtgtcgt agataggact gtaaccatcg acattagcac cgtatttgc 300
 taaaaactgg taaacgcctt ttccctttcc tttcctgcca gatgcatcaa ctccctccct 360
 caaagccatg ccaccattaa ttccataagg cttgtcagtc ttgatctttt tgccaccact 420
 ggccacaact ctgaatgaag aggagttcct tgagagggag ggaaggcctt taactgagga 480
 cttttcaaca gtgaaagggg caggtttgag gg 512

<210> 29642

<211> 523

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020de02d1

<400> 29642

gtcaaagtgt gaacccaaat gaacatatat gattctttat ctatatccaa acgtatcact 60
 atcaatttct ccagttttaa catcaatgcc gttatgccgc taagactgac ttataagacc 120
 gtaataacaa aaatatcaag caaatatcat ggatctcgaa agtatgtaag aagttacact 180
 gtaaattgta cgtaaagtaa aagtactgaa tcactgcctt cctctaaaat tttctcttcc 240
 ggatgggagc cgatgatggt gttgtacagt taatttgcag catcaattta ttctttgacc 300
 ttttcaaagt ataaacactg aaatatgatt tgcattaaga ggcctcgaat gaatcctcgc 360
 tagcatcctc tgaatctgaa ctatcaacca tcttctcaag tgcactagg ctgccagctt 420
 cagagattgt gtggattctg agtttgtcag catcttcac tghtaacaccg aagatttcct 480
 tgacaactaa ggagctatct cttgaacaaa actctggcag ctc 523

<210> 29643

<211> 455

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020de04d1

<400> 29643

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agataacaaa gatatagaat tttgatatga tatcttgatc atatgaaact agtctaaaca   60
taatatgtgc cattaacaaa agatatatag ataacaaagt aacctaattgt ccaatatata  120
gaaatactaa ccaagaatta cacacctaaa ttaagcttta accgcaggcc aaaacttcat  180
aagtcaaccc caatgcattt actaagaaat aactaggggg tgggggtaac taaaactgca  240
ctctagtgtg acacgcatat gttttactat tattatattt caacaagcca ttttaattta  300
atagaagaaa ataacaacct tggtttataa agtatatgat attcgcaaatt tctagcaagc  360
aaaattgagt gacgattttt actagatatg ccatagtatt ttacctttag ctcgagtcag  420
gagaaccatc tttttaagaa tcagggccct ttttt                                     455

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<210> 29644

<211> 338

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020de08d1

<400> 29644

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ggcaaactct acttttactt gatatttttg gtctaataa tatctacact ctccattcta   60
tcacgtgaat gaagggatgc gtttctccac tttcttgagt gacagcaaatt actgtctaca  120
agaataccaa aattttacata caagaaagag ggactcacgc gtcccccccc ccaccacccc  180
acacagacac tggactttttt ggtttttgac ggaaaattta acacaattcta ttctttaact  240
tgtaaattctc gaaaaggaat aaaatcagac tgtaacacaa tcaaggcatt cccttggttg  300
cgtaggagtt gacgagcgcc aaggcattgc tggggaac                               338

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<210> 29645

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020de11d1

<400> 29645

gagaagatta aaatgaatat cgtcattaat gataaaaaaa agcatcatta ggggtatgat 60
 acatagatag ggtaagtaag caaaaaaaga gtagctggca gagcttgtaa tgtatgaagg 120
 aattcaatcc aaagcattgg gccagcaca agccttcaaa acggggctcc aaatccactg 180
 cactagaaac ttccgtccat tctaccggg tagattaaag gttctccctt caccatcttt 240
 cataacggaa ccaatataac acggcgccac caccggttcc gtacaacccc tcgcacaaat 300
 ctccgatttc tgttggcgcg gaggggtcct cgccggcgta ccacgcgttc accaatgggt 360
 tctacgagag cttctccagc tcgtgcccga tcacgctcac catgcccgttc actccgacgt 420
 tcacattcgg cggtttgagg t 441

<210> 29646
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020de12d1
 <400> 29646

atgtgtgaga atcaaaaaca tattaaaaga cttataataa tttatatata tttttaatca 60
 actgagtcgc acttttttgt tactaattca cttaatcacc actttgaatc tcacatttct 120
 tttaacttac gaataagaat aataataata ataataacat aggcccatct acctgggcct 180
 accggcattg gatccaggcc cgggataaac aggcccaccc tttatagcac caccagccac 240
 ttgatggaag ccggcagaac cgtacacgtg tccctgatgc atcatgattc caccaggagc 300
 agcagcataa ctaggactct cgtaggcact gttggtagca ttggaggagg agggcgcggt 360
 cttgtcacgc gcc 373

<210> 29647
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020df03d1
 <400> 29647

aaccacaaaa aaattatttt ccttgtttca ctctgtatgg gcccatagca tttccacggg 60
 tacaatttct ccacccaag tatctacaat gtgaataatg attcttcttc tacacaaata 120

cctccggcta atgggtcatc agagaccacc aacaacaggt ataggacaaa atttggggta 180
 tctgaccta actctctgta ggggggtttt gttttaccac caaatcatca gctgagtagt 240
 attcagcttt gagccggttc atataggaag gattatgcc tctgtgtca gttataaaga 300
 gactaatcaa gtttctggcg gtcacgtatc caaaatgttg gtttaacaac atgaagagaa 360
 ccggtccttc ttgtagaatc catgcaatct ggagaattcc tcaaagtcca gtagctcaga 420
 tgggga 426

<210> 29648
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020df10d1
 <400> 29648

acacaaacc cgtatagtgc attaagcgat atatttgta atatatacat tttttgtagt 60
 atgtacggtt acttaaggat cagagcctg aaaagtaatg aaaaaacata atataaagca 120
 tgaaatatat tccacgctta tgctgttaa gtattgcact aagcaatgca aactagaga 180
 tgatccaact cagcggctct cctttcgtac agcatttga tcagacatca tgtccatcat 240
 cattttctca ggtgaatcct cccaactcgc aaatgtcttc aagtcaactt ttcttctttg 300
 ctcagtgaag agcttttctc tcttcttgta agagttctgc acttcctttg ctactttccc 360
 accaagtccc caaactttaa cttcagaaat cagaccctcg acaggaagga aacctgatc 420
 tggaagaga gatccactcc ggtaagtttt gtcaatagca tgatggcgaa cagtaacttt 480
 tgcaaaatct tcatcaataa atattctctc atttctggag t 521

<210> 29649
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020df12d1
 <400> 29649

acaaagcaat gcttcttctt ctatacccaa ataataactc tggggcacia atatataa 60
 catcaaatca aaagaaatct ttcaaatacca tctacgtacc tggctacatc caataccata 120

tacaatatat ataccccatc cccaacttta tgaatcctat aattaatatt aagctaactt 180
 aaatctctgc aagtatagtt ctatatgcta ctattcaatg ttacagga gctagcatcc 240
 cctcccatgc caggaattcc agtataccag aatcacggta caatatttca taattagtga 300
 ctgcatgcat gtgtatatat atgtaaataa aaataacata aaccctctcc ttttcttttc 360
 ttggggctgc tagcg 375

<210> 29650
 <211> 391
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020dg01d1

<400> 29650

gaacaaacca attttttgtg tctacacata gttaattggt tggttcacgc caacatatcc 60
 tggatattac tatgcataca tatttaataa tcaggagcta caactcagct taagacaagc 120
 gaaccacaca cgatgtactg acatgaccta tgacagactg tacattatga tccttgaat 180
 agttcaggtt tctttactga tcgggctggt taaaaacaac caaagagggt cgttggggct 240
 gttccactag ccctgaactt tggagtagca aactttgcct taaagaatgg ttcccttttt 300
 agggcccaag taagggttct ttttttttat gcttttaggt ggattgagac ttttaggctt 360
 ttaaatcact ttccgtattc tggagctctt t 391

<210> 29651
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400020dg02d1

<400> 29651

atatgactct ggtgttattt ttgattttgc aaattaaatt acacaatcac agccgtacat 60
 cacacatgag ttgggcctct tccaacttaa aagcagagga taacattggc ccatgacgcg 120
 acacatgcac cacctaataa tcataattgt acatctttac atacaaaata caaagacttt 180
 aaattttaaa aagaagaaaa gagataaaca gatcatctta atgaaatgaa accaaaaccc 240
 acaaacattg gcttgatttt tgttgttgtt gttgttccca acttgattaa gcatgaaccg 300

tttgattgaa tcacttggac ttgaagggaa tggccctgat tacgacctgg tggtagagtg 360
 ctgcaagagc tgcaccgatg aatgggtccca cccagaagat ccagtgttca tcccaaccaa 420
 ggtccttggt gaagatgata gcagcaccaa gactacgagc agggttgata ccagttccgg 480
 tgatgggga 489

<210> 29652
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020dg03d1
 <400> 29652

aaagtaaact agcactacat attcataaat gatcagttct cactaatcac atcacatctg 60
 aaatacaaag tagaggggaa accagtaaaa gagagtttct cccatacaag taaaagtaaa 120
 aacttgaaag cctcagccac ataataatag agtagctgat gatgcatata gttcctatac 180
 cataccatac aactcttaca ttaccactgt ttttgaatac tatactcttt acaggtaaata 240
 gaaaagatat gcgtatgact aactataggt tcatattgtg attgtgttgt ttggctggag 300
 aaagcaacta gccatccaca acgttctcac tgttcataac ttgttgtcca tgcaacaaaa 360
 gatgcactaa aatgctaaac tatectctcg ttaccttaa ggagcatg 408

<210> 29653
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020dg04d1
 <400> 29653

gatgctataa taaaaacata aataagatga cttcaaaatc aattttaacc aaaatcaata 60
 ttgtcaaccc tcatccaaac atgcactaac ccaaccaact aactagctat acacactatt 120
 atgcataacc ttgtttaaaa cctaccacc aaaaaaggag aaaaaccctc gtttgggttg 180
 ttcttcacc accacggcct gcatgctatc ctgctccacg agcctccaag cggtttgttc 240
 gaacgccaag ccagccagag tgggaggctt gttgagcaca agagggtagc ctctattggt 300
 gcttctaata acctcagtgt cctcaggaat agccccaagc aagggaacc ctaacatttc 360

ttgcacgttc aacaccgaca gcatgtcttc tgcttttatac atacgggttc gaacccggtt 420
 gacgatcatt ttgatgtccc ggattccgtc gcattcgagg aggccgggtga cgcgggtccgc 480
 gtctcggagg ctggtgatgt 500

<210> 29654
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020dg05d1
 <400> 29654

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 caataagaaa gaaaaatatc aaaacaaaat ccgtaaaaaa tactactcac cccacatctc 120
 atatgtacct agcattaact atacaaacac atcctttcct ttcctttccc ttaccatcac 180
 catatggcat ataccaagtg ttttgatttg catttctcat gacatcacta gaaatcatta 240
 aatagtaata attttgatca atcttcacat tgcactaat caaaatttgt tattgtatat 300
 taaaaatfff gattaatgta acagtgaaaa ttgagtcgac catgatgacg tggtaaatcta 360
 gattatataa taattttctc cggagaggct ttaatgaggc tctcatgcag ccatggcttc 420
 ctctcatcgc atctcgttct cgccttcttc gctggcggcg gcgtcttgat actgttgata 480
 ctctgccacc aagtcattca tgttgctctc agcctcggga aactcca 527

<210> 29655
 <211> 333
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400020dg07d1
 <400> 29655

ggaaaaacat accataaata tagcacaaat ggagtatctg tttcccctat cgggaagtat 60
 tgggcaattc aacaggaaac aaagaggaaa cattagaatc cctatctcta gctaatacac 120
 agataagaga tcggccctca tgtttcattc ccaaacgcac gcacgaatc ctatggaaga 180
 ttccatcatc catcggactc actctgcatt ctacacttca ccaagcttgg cagtgccatt 240
 cactttttgg gcactttctc catcttttgg gatgtcagaa gttcaciaag ttaggttggc 300

cctgagaaga tgcatgataa tgtgcttttt ttg

333

<210> 29656
<211> 360
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400020dg08d1

<400> 29656

ggggggggga aaccccatat taaaatttta ttataattt ccattgggtca ctgatcagct 60
ttataacatt ttcaacggaa cactttttta ttccattgca gccctttttt ttttgaatag 120
attattaagc atgcctgata cataaagatt caacagcctt tgttggaac ttttttccaa 180
ttcagtttct tgagaaatta aaatactcat gcaactatca ctttaaacc ttttgcagca 240
tgatttttaa acttttacc cactactgt aagggttata aagataaaat tttaaacctt 300
gtaagcttta cgagatctaa acaatgcttt tttttattag gcattgggtcc aaccttctga 360

<210> 29657
<211> 439
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400020dh01d1

<400> 29657

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agttataatc gagacaacaa tcaagcacgg tggaagaact aaagtcctta tgaaaagaga 120
ataaaagaaa ataataagact taaaaaagca cactgcatat tcatcaaagc atcatcaaag 180
cacactgcat cctaacagca cacgtacgta gaaagggtga gttccagggtc ttgcacaaca 240
tacacaacac accataattt attttatata caatcttatg gtgccaaga tgcagaagca 300
tggaactaatt aaacaacaac gttagtctga taggcagtgt ccatagataa attgggtacc 360
cataaaatgg gccttgcttc caaggaaatg gcaaaccagg gttagtttcc ggaattcaac 420
ctcccatgag ttcatgaag 439

<210> 29658
<211> 65
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400020dh05d1

<400> 29658

tttatttttt ttttttcaag ggtagaaaat tacttaacat tattagtaaa tgagtgaaaa 60
atggt 65

<210> 29659

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023a01d1

<400> 29659

agctcactta tttcgtcaac cttatgcacg agggtcacaa aatgccatgg ggtcatacat 60
tcataaccta aatacattgc ccaactagag agacggccaa ctgaatggaa aatttgctcg 120
tgtccaaact ggcccaaaga ccagggacca tggcgctca ataacttaga accgtacccc 180
tggtgaaaga gctttattcc ctt 203

<210> 29660

<211> 368

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023a02d1

<400> 29660

gcaactgaaa tctgaaaatt cataactctt tggctttttg ataaaacaaa aaatacatca 60
gaatatttac cccttttgcc gatcaaaact tttggttttg gttcaaatca agctggcttg 120
aataatagtt tagccgtata ttattatgga tgtccgtagt agcatcatca atctttgggt 180
aattaattta tttccgcccc cagagaggga cccttaagcg caagaatccc agttgaaaat 240
atttggtccc ttggatatgg ggaacttgac atttccacag accttgaagc ttttgaacta 300
caccgttcct ttctttgggc catcggtttt tgacttgaac gacacttagg gctacaaaac 360
gctttctt 368

<210> 29661

<211> 342
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023a04d1

<400> 29661

ggcattgaaa gcaacttaat ggatcttaaa ctcgagatgc ataattctga atgcattatt 60
 ctttgcaaga gtgtcccaac agacattatt caaaacactc atttcattca agtaaataaa 120
 ttatgtacgg gcaaaacgaa caaaaatacg cctctggatg gggctcctgc aagaaggaca 180
 gtcttgcatc ccttggttct catggagctc attgcatgtt gtgcaaaacta cctgatgagc 240
 acatgggagg aatacaacag acatcttcgc agaaaggcac atgacacatt ctctttcccg 300
 ttttacaccc cctatcaaag agcagtcatt taaatttgaa ac 342

<210> 29662
 <211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023a06d1

<400> 29662

agtgaatctc ttgatataat gtttaagata ttccccaat gaatatgttg aaatacacaa 60
 ttttctcgtc aagagaagga agttctaaaa tgaaaaaaaa aataaaaaca catatacaca 120
 atcactcgcg gaacttgagt gccaaagttc aaagcacaga ataagataaa ccataattt 180
 aaatagccct ctagctagtt gccaaaggtc agtagtaagt catcaccaaa acagcccctt 240
 tattgcgact cttcttaact tcaaggttgt gtgatcggat agaacaatgg ggtatctagg 300
 tcattcaact ctatgaagtc caagttatca gagttcccaa tatcacctgt attctggcca 360
 gcggagaaac cagccagagc agcccagtag tctttcaagc cctcaaaaaa ttcacagag 420
 ttaccaacat cacctgtagt agcccgcatt ccgt 454

<210> 29663
 <211> 518
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023b01a1

<400> 29663

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 agagagaaga gaatggccat ggcccgaaga gtccctcgta atgttttggg attggtcaaa 120
 aggaacatgt ccttcaaatac tttggatccc ctttctgcc tcacccacgg aatccacgtc 180
 tttcattgcc ccgatgccgt tggaattgta gccaaagctat ccgactgtat tgcctctaga 240
 ggtggaaaca ttctcgccgc tgatgttttt gttcctgaaa ataaacatgt cttctactcc 300
 agaagtgatt ctgttttcga tcctgttaaa tggccacggg tgcaaataga ggaggacttc 360
 ctaaagcttt cacaacatt caaagcaata agatctgttg taagggtgcc agctctggat 420
 cctaaatata agatagcggg tcttgcatca aagcaggacc actgcctgga tgatttatta 480
 catggatggc aagatggaag acttccagta gatatcac 518

<210> 29664

<211> 355

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023b03d1

<400> 29664

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 aatacactaa aataacacct gaaatgaaag gcaaacacaa cttcaattct aaccaaataa 120
 actcaacaaa agcattacat aaattagtca aacagactga aacccatgtc atcatcagat 180
 tcttcagctg gttcttcctt cttttcctct tccttggtg cagcaggagc accagactca 240
 gcagcaggag cagcaacagc agcgacagca aatttacttg gatccttcag atactccttg 300
 acctatgctg cctcagggaa agaataatct gtctcaaccc gaacagcaag aacat 355

<210> 29665

<211> 406

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023b04d1

<400> 29665

gacagaaacg ttgaagcttt aattaactat ggaaattaaa agtagttgca atgtaacatg 60

aatacactaa aataacacct gaaatgaaag gcaaacacaa cttcaattct aaccaaataa 120
 actcaacaaa agcattacat aaattagtca aacagactga aacccatgtc atcatcagat 180
 tcttcagctg gttcttcctt cttttcctct tccttggtg cagcaggagc accagactca 240
 gcagcaggag cagcaacagc agcgacagca aatttacttg gatccttcag atactccttg 300
 accttggtctg cctcagggaa agaataatct gtctcaaccg caacagcaag aacattcttg 360
 taggcattga caaacatgtg tgggtgcagca gcaagtgttg ggtatg 406

<210> 29666
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023b05d1

<400> 29666

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 cataaagccc aaaaaaataa atccaacata taaaccagat tgtctagcaa actgatctac 120
 tcactagtaa tactgagtaa tctagctaac gagaatatcc cttccaattt tccctcctat 180
 tgttcctgaa tgcacagcac cctatggagt atacaataat gagaagaaca aggaatacga 240
 tgtaacaac agccaccctc ttccattcag tcttgaagtt ttgcagaaag ccagccttgc 300
 atgattggca attgaagcac agaactgttt gattgttatt ccaagcatca cagtcaggat 360
 tgttgtaact ggtcacattt ccaggcttcg tccagctcgt tgaattctca taggtaaata 420
 ggcatcttc tgcaggttta cagcatccag actgaagcgc ggacag 466

<210> 29667
 <211> 313
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023c01a1

<400> 29667

ttgagctcga gccgaatcgg ctcgagagct atgtgaaaac tatgggaatt tggaagcagt 60
 gaaaaattct aatgattcag gtgggtgccat tttggatgat gagggcgggg cttttgatcc 120
 taagcagtag tgtagtgatg agtgcaatta tgtttttttt tttttttttt gatgtagatc 180

tcttttgtcc agcaaatgta gatatgtgct gtggcacttt tgaatgggtt ttaagttaaa 240
 atttcaccat tcaaagcctt gatgattctt tcttgattag atatttggaa tgtggctgaa 300
 tcagattttg gct 313

<210> 29668
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023c02a1

<400> 29668

ggctcgagga agaactgatc agcttggatg aatatgttga gaacatgaaa cctgatcaaa 60
 aggatattta ttacatggct gctgacagtg tgactagtgc aaagaacaca ccgttcttgg 120
 agaaaattgc agagaaggat cttgaagttc tgtttttggg ggatccaata gatgaagttg 180
 ctattcaaaa tcttaaatca tacaaggaaa agaattttgt tgacattagc aaggaagact 240
 tggatctagg tgat 254

<210> 29669
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023c03d1

<400> 29669

caatctggtc ttacataaaa attataatgg gaaaacccaa ttatttcttg caaatatag 60
 caaatatact ttctgacaca ttttgggggt ctacaatttt ttccatggga tcatagcaaa 120
 ttaaataaat gggtaagggc tcaatcttaa ttgatacaag ccctgtaata cagggggcaa 180
 ttttcaggac aatagcctga cttgact 207

<210> 29670
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023c05d1

<400> 29670

gatgcaaaac tgagatgtct atctataaag aaaaaggga ctcaacaaca tcatttatgt 60
 cttaccacaca ccatactccc ccaaaatatac aaacgcagta aaagtaaagc acaaggggga 120
 acaggcttca agggtagagg accgtttgaa gaacaacaac ataaatttac actttcaagg 180
 cataaaatta aatgaacctt ccaatccagg aaatccaatt accatagtgc ttttctgat 240
 taagttcaaa taagagaacc caaaattgaa aataggacag ggatagaca aaagggttct 300
 agcaaggcct cacttggcac ccaagtttgg gaaatgccca ggatcttcaa tggatggagc 360
 aggtgcattg ttggtggaac ttcca 385

<210> 29671
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400023c06d1
 <400> 29671

gaatcttga aattctaata aaaactgaaa aactaaatgg gcttgcttca tgttcctcca 60
 tttatgaatt catataaggc ccataaaagg atgccaatga ttgtgtccct tactaaactc 120
 ttgattagat catcaatcca accatttgaa cctcctccat catatgaatt tttccctaca 180
 aggtctcgaa acctcaaatt tcccgtgtcg gataacaatg catatattac accgttcata 240
 tggccttttc caatgacacc cacaacattt ttactgttat tcacagcttt gctccgcttc 300
 aatgaccatg caagataagt atctcgttca tgtatgagaa gtggcaataa agaaggatat 360
 gaaaaactca attgctcata aagttgaaat gtaccatcat ctgaacttgc ttcttgcaac 420
 ttgagcttat ttatagaact gttagatgaa gatgctatcc cccgaataaa ttgatacact 480
 aaacttagtt tct 493

<210> 29672
 <211> 557
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400023d01a1
 <400> 29672

tcggctcgag agatgatttg ctgctgtaac aaaatggatg ctactacacc caagtattcc 60

aaggccaggt atgatgaaat tgtgaaggaa gtctcttctt acttgaagaa agtaggatac 120
 aaccctgaca agattccttt tgcttctatc tctggttttg agggagacaa catgattgag 180
 aggtccacaa accttgactg gtacaagggt ccaactctgc ttgatgcact tgaccagatt 240
 agtgagccca agaggccctc tgacaagccc ctcaggcttc cccttcagga tgtgtacaag 300
 attggaggta ttggaactgt gccagtggga cgtgttgaga ccggtgtctt gaagcctgga 360
 atggtggtga cttttgcacc aactggactg acaactgaag tcaagtctgt ggagatgcac 420
 catgaatctc ttacagaggc acatcctggt gacaatgtgg gattcaatgt taagaatgct 480
 gctgttaatg atctgaagcg tggttactgt gcctcaaact cataggatga ccctgcaagg 540
 aggctgctaa cttacag 557

<210> 29673
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400023d05d1
 <400> 29673

gctaaaatga gatagaatat aacataaaaa ttctgtttta tgtttcgtac attaaaaaat 60
 gaacagaact ggatgtgata ttaaaaagtg atagcttttg attccacttt cattaaaagt 120
 gaaacaaaa tgaactccat tctgttttgt ctggcgagcc acacgctacc gtagtgttcc 180
 tttctctaca ttaatttatt aacataatat catacagga aatttttaca agaaactata 240
 tactgctcta ctttttcaac acaaacacaa acctatgtca ttctcttatt ctttatgaac 300
 tattgattcc ttagtgactc actttcggag attagatcaa ttgtggtagg tgagcccgtt 360
 gcagaagtag ctgtagaaat tgaatt 386

<210> 29674
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400023d06d1
 <400> 29674

aagcaaatca atttggagca cttctccca gccattcttt tctgaaattc aggtttcagt 60

agaccatggc aaactctttg aaggggtaga atgcaacaga atgttctaaa atctaccaac 120
 acctacctga caaattgaga acctagcacc cagtgtgttt agtaaaataa aagcaggaac 180
 ttaacaggat gtctcagttc tacgttggca tggttatata caccaaaaaa gtaaaatggt 240
 taccactctt atctacagat atccattttg gccaaagcat aacacaatta aaaagccatg 300
 atgccagtta agcactctga aagaaatgat atttcagtga cttccattgc tgcctttctt 360
 ctcggatgaa actccacaac caaaggtagg gtctgggaag tgcagcttgt agaatgaaat 420
 acgaacatg 429

<210> 29675
 <211> 457
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023e01d1

<400> 29675

gggagccaaa tgacatgcct ttggtttatt aagattaaaa acagtttttg caagaaaaca 60
 atagctgggt ttttcctacc aaagatcctt aaagaaacaa acaatttcaa ctcaaatgct 120
 gcactggaat gcacgacctt ttaacaaaca accaaaaacc aaaatcaatc aattgggggc 180
 accaacttca gccccacttt tgggagcgag tttcgtccac tcgggatgaa aagccccagg 240
 gggatcaacc ctttcgtaag tatgcgcccc aaacaagtcc ctttgagcct ggacaagggt 300
 tgccggaagt cttgccctcc gattgggttc aaagtaagca agactggcac acattccggg 360
 agtgctaatc ccagccgaaa ccggcaaccc cacaacactt cttcacgcag cgtgtgtttg 420
 caccatttcc cttggaaact ccgggtccac aataaac 457

<210> 29676
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023e02a1

<400> 29676

tcgggtcgag tggatgtcct ggcaagattt tcagattcat tttcgatcaa tatatatttg 60
 ccgtatctac ccatcagaga tgcgtcattc tgttcattgg caatggcgtg gttacagtgc 120

cggggggtgt caggattatg atacatggaa tcaaaatcca cagttcagac tgactgcaac 180
 tgggcaagat gcatcatttc ctattcatgt attcattacc ttgactcagg gtgtgggatt 240
 ttcaagaaca acagctgggt ttagaaatta tcaatccagc catgattcac agatgttcta 300
 cattggaatg aggataactca aaactcgtgg cagacgtgct gctttcaata tctacctaca 360
 tgaatcagtt ggtgggacag actatgttaa ttctcgagaa atatcctgtg aaatgggttt 420
 ggaacctgag ccaagggata tactatagtt cctactacta tacacccccg tgaagaagca 480
 ccatttgtag tttctgggt 499

<210> 29677
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400023e02d1
 <400> 29677

cccaaatgcc aataaatgat aggaactgat aattgttaat gtttgtaaa tattttgcaa 60
 ttgtcaaac ggcaactgaa ttacaatca gtcactcaat gcttgttact atacctcccc 120
 acaccgtcct tacctccatt tgaaccaggt gttagtaaatt ttccactta ttttcagtta 180
 tttcttttcc aactttgctt aaatgggttac aagtataccc ctatagtacc actttttttt 240
 tatgtacaca ataaacaacc cgagagccct cttcaatgct ggcagaagta tagttcaaaa 300
 tgacgaatca tcagattcaa agaccaagag tgtgcgcgca gctatacctc atccatctct 360
 cgaacagatg ccatcatt 378

<210> 29678
 <211> 330
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400023e03d1
 <400> 29678

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 gtacttcacc aaacacaaat ctaaaaactc tcaaaagtca tttcgttctt tgacgctcac 120
 tttccgggga cgaagttggt ggcataggcc caggcggtgt tggtgacagg gtcagcaagg 180

tgatcggcga ggttctccaa tggacccttt ccggtgacaa tggcctgaac aaagaagcca 240
aacatagaga acatggccaa tcgtccgttc ttggggctct tcaccttaag ctcagcaaaa 300
gcctttgggt catcagcagg cccaatgggt 330

<210> 29679
<211> 336
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400023e04d1

<400> 29679

gccaaaatgc tactggtacc ctccatgacc gtgagaataa aatgatgcc aataattcta 60
catttggtcc acaactagca aactgtttca gacaagttga accgggggtac aagcaaatac 120
acaccaactg gtccactaca agcctaagtg aggaagaaaa acattaacaa aaaaggatta 180
acatgagaag caatgaaatt acaagagacc tgccaattaa tttatatagt tacaactgga 240
tggcttttga aggatgaatt cagcaaggct taatttcaaa acctttgctc aaaagcggtt 300
gagctgactc cattggtttc ttaccccaaa gtttca 336

<210> 29680
<211> 309
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400023e05d1

<400> 29680

gattaattag gggctttttt ttgcaaattc cctatatatt ttggtttata tgggaatgat 60
tgggactgaa aaaaaatttt catgggacaa cagaaaagaa agcataatcg ggcggaaatt 120
ttagacagac aaactgaacc attaaattca tgccaaaaag ggaaaattga agccaccact 180
accgattttt ggagaatcca cgtcaaagag ggactctata ggatggatcc accattttca 240
agatgaacaa attacctcta tttctcttg atattctgtc aggctcaggc ttaagaaaga 300
aattcagac 309

<210> 29681
<211> 469
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023f01d1

<400> 29681

gaaaaaagag agtaaagaa agggcaacaa ggctttatta gtgattctat atggcataca 60
 atatcttgcg gtcattgttt agtagctcag aatctgacat aactgatact gaaaaagacc 120
 ttgacctgct tccattgaa gatttccgaa tgctccttaa gtttgaggcc tcaatgcat 180
 gcctaagac ccagtaactc atggtgccca aagttgtggc cattatagtt gtcctatga 240
 tagtgactcc aattgcaagc cacttctgat ccttccccac cactacaaat gacagtgcc 300
 agaaggccac agaaataagc acacaagcca accacattag cttgttaatg atggccatca 360
 tctgcttctt tgctttgctt tctatgatca caaccgaggt ttgcaccacc accacggcca 420
 gagaaatgaa gagggcgatg gaatcaaaga cgaagaatat gagaaatgc 469

<210> 29682

<211> 414

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023f04d1

<400> 29682

ggcaaaaata tatattctta ttctcaatag atgaaaaatc atctagtagc accaaaacac 60
 agaacatgtt ttcccaaaca atgacaatgg ctatactaca atatatgggt ttgttgtatc 120
 atcaaagaa tacattccaa tcagacccaa ctttctctt ttaagactat gtacacagat 180
 aactcttcta attaaggcaa accactcaat agcagtaaga aaataaaagc atgcacacaa 240
 gtgcaattaa ctcttatcat tgggacatca acatggcctt tccacagagt cttattagca 300
 ttccaccca cattgtttga gcaactggacc aatttgcttg ggcaagaagg gatcaatcct 360
 gacccaaatc aatgagaaaa ttgatgctag aaggattgac cacaacacta caat 414

<210> 29683

<211> 504

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400023f05d1

<400> 29683
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atthtgagtt aataattgta gtacataaga aactatttct ttaacagtta gaagatagtg 120
atgcttcctt gtcactgatg atctcatgca atgacaaggg ccagattggg gcgagagaaa 180
aaatagaaac taaaatcaag ttgaaaaatg gcagaaagaa aagagtgaca tatgcaataa 240
agatacaaag cctagaagaa aatttaaaga tttttaaact acaaggtagc tcacagcct 300
ctccaagccc atctactaat atcttgact cggaagaca cactttcagt tcaattcatt 360
ggattaccat atgctgaaga acccctaata aacccttcac ccgaagctgc ataaacatca 420
ttaggatcca tcattggaga ggacgatgaa accccttttc ttcccgcacc accactttca 480
ccattccac caccctaatg caac 504

<210> 29684
<211> 306
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400023g02d1

<400> 29684
ccaaaaccag actttattag attgaaaagc gtaactgtcc attgatagaa acagcaaatt 60
ttttatctaa tgaacaaagt taccacctta atatttccca attccaggga tcaactccca 120
tgccatttaa ttacattggc cctaattggt gccttttaca gtctctcca ctaatcatca 180
tatggcatct taccagcaga aaggaaaatt tatgggtctg ctacaacaac tgcgggcct 240
tccacctga aagtcgtcc ccaaatttcc tctcattag caggaactgc agtaatctta 300
ttttta 306

<210> 29685
<211> 475
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400023g03d1

<400> 29685
agattgactg ccaactaaat gaaatatttg ctctgtcca aactgtcca aatcccat 60

cccaagtagc aacaaaaact caaaaaaata tcaatgatgt aagagcttta ttactctact 120
 ttgaaacttg atgctttaat tgctttacat gattttcatg tgtgcctggg agtcttccac 180
 cagagaagta accatctgct gataatatga tgagaaaaga aactgcaagc caagaagaaa 240
 ccacaaaata gcatgcatca tagctaacat cagtgaggat tattggtcta cgtctgtccc 300
 aaggtcaccc caccgcacat tgtgtctggc tgcaagatag tgagcaccaa caggaccctc 360
 actaccataa ggatagtact ctggaattat cttcttctct tcaagctcct tcagtacagg 420
 tgttaagagt gaccaagcag catccagttc atcgctacgt attaagagtc ttctt 475

<210> 29686
 <211> 487
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023g05a1

<400> 29686

tgagttcgga attcggtcgc agtgccatct tgcaaagcaa gcctttgatg atgctgtctc 60
 ggagctggat accctgaatg aggattctta caaggacagt accttgatta tgcagctggt 120
 gagggataac cttactttat ggacttctga tatccccgaa gagggtgagg acctaaaaat 180
 ggaaagcgca gccagggttg atcaaggaga agatgagtta ggccgctaac ccatcattct 240
 gtcatatgtc taagatttga tgcattaatt tttctcaatc atattttctc cattgtcgtg 300
 aagcctctat ctgaatggcg cactgcacct catcaacttt gagtcattct tatttctgag 360
 tgatggccta tttgagtcac ctacttcatt tttatgctat tgatgagtag ttttattcat 420
 gtgcttctga cacagaaaca ccattgggtt gcaatgccat attccccctat ttgaatgctg 480
 gtatggt 487

<210> 29687
 <211> 449
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023g05d1

<400> 29687

ccgggcccag atccgataag cttgatatgg acgccctttt tttttttttt tttttttttt 60


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tttttttttt tttttttttt tttttttttt tttttttgtt tttttttttt tttttttttt 120
tttttttttt ttaaaaaatta acccaattgg ggggggttaa aaaaaggggc cttaacaaag 180
ggttaaaatt gggaaattta ccgggggtca aaggggaaca gtttttgaag gggcccccca 240
aaaacagatt ttacccttaa cgggggtcca atgggggaaat tttgccttgg aaaccaaggg 300
ggtttttggg gcaaaaaccc cgggaaaaaa ccccccaaca atggcctaaa aaggggggag 360
gggccccaaa ggggcccttc ctcaaaaata aaaaggcccc aaagtggggg gggggccggg 420
ccccttttaa aaggggggtt cccccccgg 449

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<210>      29688
<211>      512
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmst02400023h01d1

<400>      29688

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gtagcataca tcttctcgtc atcactctca tcagaaatcc ttaagcaact tgcgaaactg 180
ttccagtgtc acgaacagca ccacagtga cggtccttgc ctcgagatcg taggaataaa 240
ccccttataa agcgccatgg gaccctccgc gcgcacagtc ttcagagcac aatctaacgc 300
gccggcgtag ggcggcgtag ccccggggtc caccctcatg ttcacacccc tcgtcttgat 360
cacgtcgacg gggttcgacg ccaccgtcgc cacgaacccc gccgcgaagc tcgccgtgac 420
atgggtcccg agcccgtcgc gcatcatgcc gttctccaag atcgtttctt tgaactggtc 480
gtacgacgag agctgacgac cgcgcacgag ca 512

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<210>      29689
<211>      375
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmst02400023h02d1

<400>      29689

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aaaaagaaat ttctgaagtg aataaaaatg gccgtatcta agaaaattcc agatacatag 60

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 gtatgcaggc atagaactaa caattttctaa gccaggtaca agggactgct ctttccagca 180
 atcattcaaa aagcaaatga agcatataaa gttagctaca ttcattgccc atgtcacttg 240
 gaagtctctt catcttttgt cgccttagga tgtattccct tcaacttaag aaattgttac 300
 aaagaacaga aaccatatta aagaaaaatc acgatccaat tagatcaggt gtttcagcct 360
 caatggacag caatg 375

<210> 29690
 <211> 348
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023h03d1

<400> 29690

aatattataa gcagagattc ataattcaga ttagccgaac tttatacaga agcgaccaat 60
 taccaaacat taaaaaaaaa aaaaagaagc aaccatgagc ttaacacacc catcacaagt 120
 ccaaaacact tgaacttgct gaaaggcaag acatgaccac tttattctaa ggatgtttgg 180
 ttaacacaaa acaccagagt gcacgaaaac catcacagac ataatacata agtttttagc 240
 tacacattaa tagtttatca ttattcctaa ttaagggcta tctctgcttg aagcttgctc 300
 tccaacacc ttacttgcaa gtgcaggggt tgcaggagca gtttgggc 348

<210> 29691
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400023h04d1

<400> 29691

ctggtatgta ataagaacaa ctacttgctg ctcatcttaa ttccctcctc tagcctttct 60
 acagaataaa cagagtcaaa gttcatgttg ttgaaggac cattgactat tcacttatgg 120
 agcaacctgg tcttgagct cccaagagt agctcaagat catctgttcc aaaagaagct 180
 tcatggatcc tctctccttt ccaggcattc actaaacctg atgagctgct tccaaaggca 240
 aattcatctg aaactgcttc agccattgga atgtcagaag tgttttcgga gcctgcagct 300

acggctggag aacatgttcc acttgcccct ggtgtcgtcc acatccggga accgctgcca 360
 accatagcat cttccttgag gccaaatggg ttggaagaga ccaggct 407

<210> 29692
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400023h05d1

<400> 29692

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 ctcatgggaa aaaccacta cgtcatttta aatttttagaa gcatttcaaa cattctcaat 180
 ccaagacagg tatctccaac aacaatttcc tgtaaagcat tagtctttcc ttaggtccat 240
 gtattcacga tgaataccac tggcatttag gatgacgatt tcaaccttat ctccggtgta 300
 tatactcttc tcagttgcag atgcaaaaac agttttgacc agatcaactg cttctgcttc 360
 agacaatgga gtaacagcat cctgngcagg taacaggagt gggctaggag acttcagctg 420
 gttatc 426

<210> 29693
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024a04d1

<400> 29693

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 tgacatcata aattcttcca aaataattat acaaaagtga caagggaaaa cccgatctgc 120
 cagttgccta ctgaataaaa acacacatca ttactatgtg ttggcataca cgcgatgacct 180
 tgtgccttgt catgagtga tttccaaag caattggtcc tttatgcctc cttaatcctt 240
 atgccacaaa atgctatcat cccttgaaag ttgtaattgc ttcttcagaa atagatttat 300
 acaaaggtag ttgcaatctc tatttgccaa actaaaaatg taaagaccct tcttcccaat 360
 cctagtagtg tcccaattgt atttacaaag gcgggacaaa atatgtatat acaagtacaa 420

tcatatagca taatgtaaca ataatcatac tttggtcttt actggtgcac attacaggaa 480
 ttattatgca ctgaaacccc tttgcagaga acttcaaaga ttggagggat agagacacaa 540
 gctgtgc 547

<210> 29694
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024a05d1

<400> 29694

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 actgttttgg ggctccaaa ctagatatta aaacataagt cactgcaaqt acaatcaaaa 180
 ggaaaataga aagccaacaa tgggagctgt ggaggttcta taaaagaatc tcctcctgaa 240
 caccacatt tagggtctta tgtggcaaaa taatgctatt aaaaaccact acctcatcct 300
 caacagtcac agattcacca agtattgtga ccccgagctt tgcattgtaa tctccactag 360
 ccttaacaca ggcccatcga ccaatagatg atttccatcc aacaattgca tgaccaacaa 420
 gagcattttc cttgatttca acgtcatcaa ggatgatata atgtttgagc cttgcaccag 480
 ctctatacag agcatttgca gatatggata cacttggacc aatcttagca gatggatg 538

<210> 29695
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024b02d1

<400> 29695

agcaacaaaa agctctcaga cttaaattat taaatcatgg cgtataccta ctctaaataa 60
 aacaacaaag tcgccacacc actgccggca acaatacaac aatgggttctg agattgcaaa 120
 atttgatttg gttcttgaag gaataacatt aacattagcc taccagacac gtatgtgata 180
 acatgttcaa ttactgggtg gcaaatttga ttcccttctc aattgatgat ttgagttcag 240
 gcttaaggct ttcgaggcct tgttgctcaa aatctgagag aggtcctaag ccagaaactt 300

cctccactcc attcttccca agcctcacct tggaagcaaa gtagggaagt tcagtaacag 360
 tggattgcac gaatgagcac tccacaacat ctgggactcc attgaggccc ttaaggcaag 420
 catcagcaaa tagggcacca gcataggcca ttgaca 456

<210> 29696
 <211> 390
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024b03d1

<400> 29696

atgaatccag ccatttgctc ttaaataaaa atttccagga aaaaagaaaa agaaaaagtg 60
 gaagtcctat cttagctcca aacagaaatg ggagcagctg tgacttttga gttaagtgtg 120
 ctagaactag aacagaatcc cataagttat gcttactttt tccaactgaa atctgagctg 180
 aaagaacca ccttagggca accgggggtc acatggataa acctatatgt tgaaattgga 240
 ccggtcctcg gatcatatgc ctgaactttt ctccacatcg tgttctatcc agccaacatt 300
 gagctccaga gcatatcccc cttctgggta taagaagcgg tctgggagcc tggagagagc 360
 tatggactga aggtgtcacg agggcatatt 390

<210> 29697
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024b04d1

<400> 29697

gtcccatga caccatctcc cacaccacc agatgcaacc acaccgcgtt gttgccggca 60
 atgcgtcgac caccgagagc caacttccgc cgactccgta acgacactga aaccgtcgtc 120
 tacgacgatc cctctctttt caaatcttga aaccacaaac acatttctca aatcaggaaa 180
 aaaagtcacc tttctctagc gcgcacatta ccggcaccaa ccaccacgaa ccacgtcggc 240
 acagaattcc gaatccacca ctccataacg gcgcgacact cagacccaaa ccaaatgcgc 300
 tcacaaaaaa atcgtgctgc cagcgtcagc accgagcaac cagcgccacc gtcttgcgcg 360
 acatcatgtc ccctaacctt tgtcttctat agcagaacac cataaccacc cattaacgtc 420

caagcaaaag tccgttacat acctaccaga aaccaccatc caccattaga aagcg 475

<210> 29698
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024b05d1

<400> 29698

acattgcaac caaggaatgt atatataata aaaataacaa aatcgcccat aacgtacata 60
 tacaccagat acaaattttt caagacgtat gatattgcaa atgacttaaa cttttacaca 120
 agaacgaaca aaatgctata atgaattccc aactggcac acagttcaaa gttattgcat 180
 accaataatt tcaagaacct ttattaactt acactttcaa agggattggc acaacaatat 240
 tatatgctaa taaatataat aatcttaaga tgatgaagca ggtttggaag atggggtgaa 300
 aggaacctgc tcagcgcgtg taaggatgtc atggggccca gcctgttctc gaccaacacc 360
 aagaaggcca agataatata ggtaatggga aacaatatg ttcattgagt ccacatcacc 420
 ttgtccacaa acaccattcc catagagaat gttcattgga gtgccaaatt caggaacccg 480
 at 482

<210> 29699
 <211> 445
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024b07d1

<400> 29699

ggaaaggaaa agggatcatt tttattccgg aaaaatccgc cccttatagg ttcaaataat 60
 aggggaaact aatatggggg gaaaaggat agattcggaa actagcaata aaacccccca 120
 aaaccgggtt tcagttcacc aagcaaaccg aaaaaccctg ggatcccaac ttttgaaacc 180
 ccgagttaaa aacccaaatt ttttccaca aaggaaattt acaaaccccc agccttggca 240
 ccaagaaaat ttttggttaa aaaaaattag ggccccatta acttcacgaa tgtaccaga 300
 atcccaaaat tacgggttct ggaaggacc catatTTTTT gagaagcccc tgaccgggta 360
 aaatagctcc ggcctTTTTT gaacacgtt ggtagaaata tccccaaatt tttttgaggc 420

00220"ETFE560

cccaagtgga aacctctgaa atgcc

445

<210> 29700

<211> 433

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024c02d1

<400> 29700

atgaaacctg aaacctaaag taaaccgttc gttatgtgaa aatccaataa gcaactggctg 60
cagtgtccat ccatgtagag attcacataa aacttgaagt atggaagcat ccatatgaac 120
cgtctacaca atagacaggc atatgctaca tatgaaataa gggaccagga ttgatcaggc 180
catcatttgg taaaactgat ccagatcaag gaccccggtg tgatcaatgt ccaaggcatc 240
aatcatggtc acacactcat tataggatct gtgatcacca aggcgatgca acattgtttg 300
caacccttgc ggggtgatgc aaccactccg ttgaatg-gc cacacaaaca tctcaaaagc 360
cattcttaga gccttctcat ggacatgagc atcaccaaca aagcgcttga tgagcttggt 420
gaaatgctgg aag 433

<210> 29701

<211> 467

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024c04d1

<400> 29701

atagacaaaa gtgtaggtat attaaaaaac catctcaaaa ccgtgcatca cttcaagttc 60
agagatttac aatacccatt agcaggccaa atatatatga catttttgga acaaccccat 120
tttcaagcat tgatacaata cagagtaaag aaatgggaaa agaacaaaga aacaattaag 180
gggattgatc atatgatcat gatcatgtgg tggagtctaa aatgaccttg gctttgccac 240
aatggcggaa tgcttgagta tgcgcaagct aaattgccct ccttactcac tagtgtcaat 300
ctgtgactgg cctgggggag gcatgagctc aaagttttgg accaaacgtt ccaaagtgat 360
gccaagaatt ggcaatgcag gaatgattcc agggcaggtt cttctggcaa caccaatggg 420
aaggtaccta aagtcattga cattggcttt aacaagcgac tccttct 467

<210> 29702
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024d04d1

<400> 29702

atagacataa gtgtagggtt attagaaaac catctcaaaa ccgtgcatca cttcaagttc 60
 agagatttac aatacccatt agcaggccaa atatatatga catttttgga acaaccccat 120
 tttcaagcat tgatacaata cagagtaaag aaaagggaaa agaaccaaga aaaaattaag 180
 gggattgatc atatgatcat gatcatgtgg tggagtctaa aatgaccttg gctttgccac 240
 aatgggtggaa tgcttgagta tgtgcaagct aaattgccct tctttctcac tagtgtcaat 300
 ctgtgactgg ccagggggag gcacgagctc aaagctttgg accaaacgtc ccaaagtgat 360
 gccagaatt ggcaatgcaa gaatgattcc agggcagctt attctgcaa caccaaaggg 420
 aaggtaccta aagtcattgc cattggcttc aacaagcgac tccttctcga agaacctatt 480
 aggccggaac tcctctgggt attttactg tgcattggtt taggccaggc accatgcatt 540
 ca 542

<210> 29703
 <211> 453
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024d06d1

<400> 29703

gtaaaaagca agtaacatta agttggattg ggatacacia gataattcac attatctgaa 60
 gtacattgca ataacatata cttcacaaa cacaatcta aaaactctca aaagtccaca 120
 agtcatcctt ttctttcatg ctcaattgcc ggggacgaag ttggtggcgt aggccaggc 180
 attgttggtg actgggtccg caaggtgatc agcaagggtc tccaatggac ccttaccggt 240
 gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cgttcttgag 300
 ttccttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa 360
 gctgccacca gggtagattg ggtcagtgc ctcaccgagg gaccaccag caatacgata 420

acccttaaca gcacccatta ggataacttg ggt

453

<210> 29704
<211> 575
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400024d07d1

<400> 29704

ggtgaagctt cagtgggtatt aatcatgaga aagcgaacc aaaaaatata taaactaaaa 60
gacaatacta gaaagaggtg tcttccgtgt aactattata ccttgaaact ctagagattt 120
tttttataaaa gaagcgaaaa agtgcagaac tgtacttcat tctcctgtac atctctgaat 180
atatatatc acacggcaag gctcctgctc cagccgaaa cgaagcatca ttttgaactg 240
ttggatttac caaaaactta acatccaggt tcacatttct aatgcttcta tttcttttct 300
gtcataaacc aggttcatga gcccaaaaag catctggatc cggacaaaat agagaataat 360
cttccatttc tagattcgct atgtgccaat tgacaaaacg ggctgtgaca gacttgaata 420
gaaaaaggat gataggcaaa agccagcatt tatcatcttc cctcttaaca ttacgtgtgc 480
ttgcctcatc aggggtggtaa aagtgggata atgaataatg aaggagacaa catataatag 540
ccactccaat attagataaa gaagtagcat tccac 575

<210> 29705
<211> 146
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400024e03d1

<400> 29705

gttacacata ctacccatat ttttcatgct tgctgggtta acacaaactg cttaggttat 60
tttcggaact acttaaaggc gctcatttca aaccgatgca ggctgatgta cctgggcact 120
caagtcttcg ccaatctcgg gattag 146

<210> 29706
<211> 346
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400024e04d1

<400> 29706

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atgttagtgt attaaaattc catataaaaa ccgtgcgtta tttcaagatc agagatttac   60
actaccatt aacaggtcaa atctatatga ctttttggc acaaccacat ttacaagcat  120
tgacacaata cagagtactg aaaagggact ggaaggcata aaaataccat gggattgatc  180
atatgatcat gaccatgtgg tggagtctaa aatgacctg tgtatgtcac attggtggaa  240
tgctagagtt tgagcaagct tagtggcctt tattccttac taatgacaaa caggtaatgg  300
ccacttcag gcaagagcgt aaactttgtg acctacctg ccaata                    346
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<210> 29707

<211> 388

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024e05d1

<400> 29707

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catataagtc attggattaa aattccaagt gggaatcgtt tattttgtca ggaaagtaga   60
catagactaa cctattaaca catccaagct aaagggctcc tttgtcacag caaattttac  120
catcaatgac tcattacgga gtcttgggga catactgaaa ggcttaaaag tgccatggac  180
ttgctgatac gatcatcctc atggtgatgc attgtccata tggcctgtgt atgtcactat  240
gcttgatggg tcgattttat gcaagctttg aggctttgaa tcattgacat agttcagaga  300
cgtaatcgag tcaaccctg tcgagcgaaa actttgggag atactttgcg gatgactgat  360
ctgtaagacc agattctata ctgattac                    388
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<210> 29708

<211> 512

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024e06d1

<400> 29708

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agctaacaca aaatattggc tcttaattaa aaaaaaaaaa agtttgttat gcttggaaag   60
ctctcagaga cagagtgata acacatccaa gctaaaggta tccttgtaca gtacgaatat  120
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tagcatatat aacttatagc ttagccctgg tgaaaaactg acgggctaaa aagtaccaat 180
gactctaaaa tacagtaaaa tcaatagctt aaaatgaaaa tatggcagat gtaaatcact 240
tcactttatg gctttctctt aatatgtctt tgagccttta agtctatcac aattacagag 300
atgttatctt ggcttcccct gtggatggca agcttagtta gatactctgc ggaggactga 360
gctgcaggat cagttccttc actgcgtgct gttggggccat tgtcaccaaa cttcttctgc 420
caaagaagga ttcgcttatt tgcaacctca catgcttctt catttgtcat tacatcccat 480
aaaccatcac ttgctagaat gagacactca tc 512

<210> 29709
<211> 576
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400024e07d1

<400> 29709

acaaaagaag aaagagaaaag cacattgttt cttattagat ttatattatt atacacttga 60
taaaagccat aattaaagta gaacaaactg ttacatggga cgggactaac actgtaaaac 120
cagattgaca atgaaagggg gaacttaact tcaaccaagc acacgagaat tttgttttgg 180
agtgagggga ttaataagat caacaccaca tgtacaaata gcatgtgtgt gaaataatta 240
aaacattgta aactctttgc acaactatctt ttcgtagcta caagtaggac tcaattatgg 300
atgtggggat ggtgtgaata gctctatgct agagggccat agtgagttca aatttgattt 360
ctattcttgc atggtacata gctacaagga atgcctatga cctactataa taaactgatt 420
ttgccacatc ccgtctttttt tttatccatc accagatata cactagcctt cgagtgaagg 480
acacttagcc agagttacta tgagaagatg caccttggtt tgacaaanaa cgaacgacaa 540
cgcacgtaat ggtgtcagaa ctacctcgct gatatg 576

<210> 29710
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400024f04d1

002220"CTTCTE60

<400> 29710

caccatgctt ttttcttctt cttatgacca caatggtggg tctgagcaca atgcaataag 60
ggcttaccgt taaatgtagg aacatgccac actgtcctta tagccccaca tgttcctttt 120
attttcttgg ggggccttga tataaatttt aataaaatga aaacaaaaaa aaatgaactg 180
gttgagcgaa acttgcgctg ctagttaaat agtagtagtg agatgccacg cgtgagcgga 240
aatcatgggc cttgtgtgcc cttccaactt gggacaacca tt 282

<210> 29711

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024f05d1

<400> 29711

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gttaaagttt tttctagcca agcaaaattg tgcttatatc ccatgattct ataccaccaa 120
gcgcaaaaca agaaatttgc ggtacatgat taaagttata gaatgtttat catgttactg 180
ggctctggatg ccaacaaaga aacataaagt ttaagtactc aacatgagag tcagaatgct 240
agagccattc atcaagagac ttctgatcat gaatccggga cttcatgacg ccttcataatc 300
attcaaacca caacgagcca gaaacttgtg attctcttca aagataggag aaaagtcagt 360
acaaaatttc tgtatatcag cactgatatc accagggcct tgtatcacct ccatgaattc 420
tttcttatca ggagcaagct tcatcgctac actgaagcta gaacttgcaa gccagccatg 480
ccacttcttt aga 493

<210> 29712

<211> 344

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024f07d1

<400> 29712

aggcaaaatt caccatttta aggttaaatt aaatgaaaaa aaaaggggca ggaaatgggg 60
aatcaaaaac tatgggggttc cctcaaaatc aaaacctaaa ggggaaaagg gaaaaaatc 120

<213> Glycine max

<223> Clone ID: jC-gmst02400024g03d1

<400> 29715

catagtgtat cctcacttct atacactgct tggaaaacat aaactgagca agccgacagg 60
ggaagtccta aacggcgatt ttctagaaga ccagaaggct gagggctcta gcgagatcgg 120
aagagacact gataggacta aagatcatg 149

<210> 29716

<211> 427

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024g04d1

<400> 29716

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aattaatcac cgatcatcac atgattgaac atgcattggg gttttcatcg ctgaacatct 120
gcggaggagg agcgtgcggg tgcattgtagt acggtagagg tggctgcaga ggataaccct 180
ggttcacgta ccttggctcc acgtaatgat tattagcact agcaccatac cctggatgaa 240
cctccatagc gtaacttggt tgaccgggaa agtgtcctcc gtcgtaccag aacgaaggag 300
gtgccatccg gtgcataac tccattttgt taataacctc cgcagccgct gccgccgcac 360
cgtctttctc tttcttctcg ccgtgcctt ctttctctt cttctcacca ccgccttctt 420
tcttctc 427

<210> 29717

<211> 449

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400024g07d1

<400> 29717

ggtcttgctt gatctgcttc tacctacact ccgaacgggg aaatgctgca tccaccctat 60
acatattgat gtatccacca ggtgccaaat gacagggtgca aaggccacaa gtccgaagaa 120
agtgagaagt agcgtgcatg atgatagtga tagttgactg gctgtggatg taagagccac 180

gaagataata tgaggctgtg gtgtattata aaagcagaac cgttgaactt gaacaatcta 240
 ctttctcata ccattcactt ggcaagttcg tcaactgagga gtcttgctgc ggcaaccatg 300
 tctgtgaggg ctggcttcac ttcactgcac ttgcgggttt tgagaccaca gtcaggggtg 360
 acccacaaga tgttcttctt gagcactgca agcatcccat tgattctgtc agcgatttta 420
 ttagttggcg gtattcttgg cgagtggat 449

<210> 29718
 <211> 535
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024h02d1

<400> 29718

gatatccatt aactacaatc aataatgttt actcaatgta aattacaatt tgcgtggatt 60
 accatcagaa ctatccaaat tccaacattg ccaggaaaaa aggaaagacg aaaaaaacta 120
 tatatttaaa gagaccaag gctaaagaca atggaaccgg catctaagtt catgcacgca 180
 catatacaaa atacacagca atgaatagac aacacccaaa agccacaatt ttgcttcttc 240
 cctatgaacc tgctagtctt gaacggcatc aatcgctttg cctgtactgg cttgtgagat 300
 tcgatttgca taaatggcga ccaacttcaa ctgtgtgctg ttaagccctt gccaatattg 360
 caagaatgct ttcccaagca tgatgtaaat atccacgaga cagatgacaa aggtcttccg 420
 aacatctgta ctctgggttac caaaagcttc gaaaggagca ggcagaaaacg agggtaactg 480
 agtcatcagt tcctcctgag aaagccgacc cacatgcttt ggtaagcaat ttatg 535

<210> 29719
 <211> 568
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024h04d1

<400> 29719

attaattgta agtatagaat aatcaactat tgtctaaccg gccaaattcc aaacaattca 60
 aaagcagaac atatagacga aattggcaaa atgtaaaaaa acagagataa atgggaatga 120
 aatagagtgc atatggcagt agatacacga attgcagcaa atgtaaatca gtgatggat 180

agatcgggtgc cagtagttat catcacgcca ttggttaatta ccatcagagc attgcccgaag 240
 attgatccat ctactattca acatactgct cctcaccttc atcctcgtat tcatcatcct 300
 cctctgcggt tgcatectgg tactgctggt actctgctac caaatcattc atattactct 360
 ttgcctcagt gaactccatc tcgtccatac cctctccagt gtaccaatgc aagaaggctt 420
 tgcgccggtta catagcagtg aactgcttac tgaccctgct aaacatctct tgaattgatg 480
 tcgagttccc aataaatgtg gatgacatct taaactcctg ggtggaatat acacacactt 540
 gactttacat tgatgggaat tcattaac 568

<210> 29720
 <211> 452
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400024h06d1

<400> 29720

ggcataaatg gatgtccgct ttcattcgct gcaatgcaat tacaagcttt ttggaaccca 60
 attatacaat ttatacccggt tttcctgaga ttgaaaacaa cattttgatt tactatatag 120
 gggtaactga taaacaagtt ttgaagggaac aatccaaccg agcccattta attaattaag 180
 caaagaaaag aaagaaaaag gaaatagaag tgacaaaagca agttgcaaag gattgtaggt 240
 catttggaac agcaagaaaa ataggggtga ttttgcttaa atgtataagc accattgttg 300
 accaggctga ccctgttgac agataactct gccttggtatg gttcggagtt gagcaccttt 360
 ctgggtcacct tgggggtatat ttttcgaatt accattttta atgccgtttt cacatttgtg 420
 gagtccaacg caaacggttt catgaaaaac aa 452

<210> 29721
 <211> 510
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400025a10d1

<400> 29721

gcataaaaat actagataat cctcacatct caagacattt ttacatacag tggtaaaacc 60
 gtctcattac ataaaacttt tattocatgc ataataaaac acgcaatgat tttgagggtt 120

tgaacagagt atttagtttg gtagacaaag taactgttca gaaaagttct tcatcaccct 180
gaccatcctc ctctctgagg acccaccgag ctatgcacat tcaacctgtc aagtaccgag 240
ttgaaatcaa tggcctgtcc actctcctcc atcctctgga tcacacttgc aacatgatcc 300
cccctgaatc ccatgctcac cagtttctca atcaactcat tgtagggatg gttgcggatg 360
aattgcgact ggttcggatt tcggaccatg agattaagac ctggtggagg gttctgaagg 420
gaagcacttg ttgggggata tccaggttga gcaaaatgag gttggggtgg atgatgtgtt 480
cttctcctt accatcatac atcatgtatg 510

<210> 29722
<211> 387
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400025a11d1

<400> 29722
agaggaacaa ttttcttgat actatatatc cagcattaaa gccgtcccaa ttattcatgc 60
aagatgtttc gacaaattac attagaaagg ttagtcatta tcaagctgaa aaaaaaatgc 120
ataataataa aaccaattgt ttgcaacagc aacgctgcca catgctggta taataatgct 180
tatacctaac aatcgctcaa aattgatagt aaccccccaa aaaaaggaag aaaaaatta 240
agcgctcaca caaagttttg ttctcatcat ataggcacgt agcgtttcaa agcctgcttc 300
gccgtgacag cgacttcaac cacgacgccg acgacggcgc ccgctaccgc cgccgaacgc 360
accctctag ctgcacgata cagcgcg 387

<210> 29723
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400025a12d1

<400> 29723
ctgaatgagt gatattaata tgatcctact atctttgaaa catatatact atcaatacag 60
aagcaagttg gactgggtccc aacaaacttt tctatatgtt gttagttggt gcctgggatt 120
actccatcct caccctcttt tatccacttt cctcaagtgg tgttcctact tttctcaaaa 180

catgcagaaa tgtattgaat gtgaccgatt gcatggtaac caactcatta ctctcatttc 240
aattcattcc aatatgatat aaaaagaatt ggatttcaag ccaacaacat tttatattat 300
caatatgtgt acatatgatg aacttaattt gaatgcattt gtagattctt tacttaatat 360
aaataggata gtttgctatg atataccgat cgataaatca taaggtttaa gtctaagtaa 420
ttgatttaat tttttggaac aattgttgaa tgagtttagg tatatcaaat gagagataga 480
aggagagaat ttctctttat tgcttgagaa acttagtgta aatctttgaa ttctttattt 540
aaatagaccc tattctttct 560

<210> 29724
<211> 448
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400025b12d1
<400> 29724

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gacacacgca aacacagaga cgaagcacat aatcagtttt cgcttggatt tggaaaccgt 120
tcgcgcatcc attagatctc aaaccagttc ggttggatcc gtcgtcgacg ttttcgtcgc 180
cgttcgcggt ggccggaaac ggtagaggta ggggaagtag ttcaattcaa atgacctctc 240
tctgccatgg acataacgga gagcctgcta ggccttgggt aaaagtctcc tggccttctc 300
tgctggtgcg aggaatgtcg aatcaacgcg gtgagagctc gcttcacgag atctcctttg 360
acgccgcgaa ttctcagcag cgagttcgtc atcgccggatc tgggcgcggt gaggcggtgc 420
ggcgagtacg gtgccggagc gtggctct 448

<210> 29725
<211> 522
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400025c10d1
<400> 29725

aaatgcagaa gcagaaagac attagaatta acatgaaaac tggatgaagat acattctttt 60
accataggat caccacaaaa gaaaaaattg tgggattgat tagccgaaaa aagctagtgg 120

ctaccaaagtg ctatatccta caagctacat tttaacaagta attacaaaat acatagtgag 180
caaaaattca gttcaagtta attctagctg gaaggcatac tccaggagat tgttcttcca 240
aaaaaaatct ttcacaatta accagtttca tcacaaattc aggtgcaaag tggtaactttt 300
gatgagcttc accaaagctt cttccaagaa catgttcaac ccaatcttcc aaagattttt 360
tcttgtctga taaccaagca gctgcaagta tctgtgtcat gacctcatac tcaatttcaa 420
gtataaactc tgatcctaac atcttttgaa attgtgtgtc aatgctttta attacttget 480
cagcaataga atcaaagttg aaaggcttaa aaacaacttt tt 522

<210> 29726
<211> 417
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400025c12d1

<400> 29726

aaagattaat gtaaaactat agctaaacta ttttacaacc attttagttg agtgattaat 60
ttccagcatt atgggtttctt tgagaaccaa aacaaacaga atcatcagat atccttagaa 120
acctattggc tctcctaaaa ttcataaatc atccctgaaa atttcctcaa gtagtttgac 180
aagaaagaaa aaactatggg agttggtaag tagcatgtaa tggcagattt gtacacattc 240
ttagaagaga tgaagaagtt gcagacattg agaaacatgc tgtagctctt cccttatcat 300
gaagaagctt tgctcccaag taacaggctt gacggtttaa agcttcaata attagcatgt 360
tcttacaagc tttggtctcc aattctaaca aaccaattac ttttttcgag cttttga 417

<210> 29727
<211> 563
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400025d11d1

<400> 29727

ccacaacaaa catctaatac ttatttaaatt ggggatacca aaagagcatg aagccactaa 60
taaccataac gtattcaact gaaatcagag aagaatggaa tgctcgggtgga actcaaccat 120
tcattccctt gaatgaaatt gcgaactgtg aactgggttg cctcagtggc gttcttgata 180

accctataac caggccacgt aactcttgca cttgtgtttg aaccgggacc cctattgttg 240
tactctccat aatacaacgt atccaatgca aacgtgccat tccactccaa ccaccctttg 300
gggtctatca gatcctccat gtaagaatta agataaacag ttctcgaata cttcttccaa 360
ggacgaccca agtagttctt gaactgagat ttgaccggga ttaaatcagc agctgctgca 420
accttgacgt tcaagatgga aatgccggtg ttttggttag ggtcttctct tccttggtgca 480
gtgaacatgt tcctttggtt ttcacgtgc ttgctgctg acaagttgca gttctggagc 540
actgttgctg cattgcccaa gat 563

<210> 29728
<211> 346
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400025d12d1

<400> 29728

attgggccta caataagagg ttgacatcgt ctattacatt aaatgctgtg accgccataa 60
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gggaccaggt ttgccactaa gcattggttag caaagcattg aaccatgctt ccttaaagtg 180
cattggaaag aaccaagacc gttgaagtgg gcctttgaaa tttttccaga ctgcaatacg 240
gacgtggcaa cttctgaag gaaatctccc aggtatactg gagcctgggg gaaccatttt 300
tgatcatcca ttgaatattt ccacccatac cgtgcttgaa aaacct 346

<210> 29729
<211> 542
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400025e10d1

<400> 29729

gaaagtgaac acttttctgt gcaaataaca taatgcaaaa tctgttttca tgtctaacac 60
gttttgctgg aatcgtgtat gggcatttca aaaccatggg ttatgtactt gtattcgttg 120
aatttaatga taacactaag gttaggtaga tttgagctct tttcatcaaa atactagtgt 180
acatgtactt gtcttcaact ctatttaca ctaactagtt gaagttcctt tggaggagac 240

tgcttaatcg atttccgcat gcacgtaatc cacgaattca aaattctttt ggagttggtt 300
 tagggcaaaa gctatggctg cgctgacaac tgcgagtcca gccaaaagta cacgcaactg 360
 gaaatctgat gggatccctg atgttgacaca aaacacaact gttgccccaa ttaggacttt 420
 ctgccatggt tggaatccct catatgctgc tttacatgat gaacacttga gagtgtgctg 480
 ttcaaatacta tccaacattt gacgttttga taacacagtt gatggcaatg gctggtcgct 540
 gc 542

<210> 29730
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400025e11d1

<400> 29730

aatgctcata attaccaaca ccaaaaataa caaaccacaaa aataaacgga ctccaaaaat 60
 aatcatagca cgagatttgc cacaacgaaa aaagtcgaac aaaataagta aaaacaatcc 120
 cggcacatag taaaaaactt acatcattaa tctctgctgt ttagtacta aagacattat 180
 cggggaaaaa aggcattgatt cagggatcca aaactgacga ttttcctcca aataactcaga 240
 aaatgaagca acatacgatt actgcaacaa aatcaacggt agcgacacaaa ggagagggta 300
 ttggttctct tccaggttga cctgcgtgat ggacgatttt tgtggtagag atgacctctg 360
 ccacgtaaac ccctattgct tttcccagca gaagtgaggc cacgcagttc cctgtgatta 420
 tggactggat tgcagagcca gatgattctt ggatcatttc ttacagcagt gtgggcaaca 480
 tccaccagaa tgacctcaaa atatttggtta gtggagtcct cattcaccca gtatgaattg 540
 agaaccctga ggccacc 557

<210> 29731
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400025e12d1

<400> 29731

cagaaaaatc tcacatttct cgagtatcat atcatatttc aagcacaac taatacaaga 60

aataaggata accactaaca catacttcag gcaaagtaac aatttgatta agcatcaagt 120
 gtctacatat aaccctcaga tacgatacaa gcaaaacaca gaattcagcc gtacacagac 180
 cggacctaac caaacgggtt taaatgggtg ctactttatt ccacaattct aaagcacggt 240
 tccaacctca tgtgattagt ttatccttgc agaccaatga taccacaagc tactctgcc 300
 ccagcatttc cagtagtttt gctaagctca tgaccacctt ttccaaggtc atcagaatca 360
 gcatggacaa caacagccct ttctatgatg gagtttggtc cagtgaagagg aatctgactg 420
 tcggtaatat tgaagctaac ggtaccatca tcaccgacat tacattccca agatcccagc 480
 atga 484

<210> 29732
 <211> 475
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400025f10d1
 <400> 29732

atgaaattaa tagttgcat tatgaatcaa ttcaatacac agcacacagg aaaaggcccc 60
 aaagaccatt ttaccacct tgtgaagagg gttctcctct ctcttgaaaa cacataaatg 120
 cattcaaggt ttaaattaaa cctatatata cacgtgttcc catcacacgc gcggacacca 180
 tccattggag tctgtatag ttaggccaaa actagctcat ggcctaaaaa ggaaacagga 240
 atatatgaac agctcccgca cagaaaaagg aaaaatcaca cgtgcacact taattggcac 300
 gcaccataac cgactgcgca cgtgccaaaa aaaaaaggct actatttgta gccaaacttc 360
 aacttattgg ccttcaaag ttctttatac tgctgagggt atgccatcaa agttgtaacg 420
 tggatgttga acaagcagt atgctggaca agaaatgaag ctttacttga cttat 475

<210> 29733
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400025f12d1
 <400> 29733

cccttatgaa catcgacatt ttcattcata tatagcaggc atgataagcc ataacaattt 60

gtttcagctt gcacgaaatc agattcacia gccttaaaca aaacttgaaa gcaaagcaag 120
 gctctgcttg tagaaaaacta caaatagaat cactggtgaa acttagatca ttacatacca 180
 gctacatgga aagaagaaaa ccatattaac atctcttcag tgaacatttc ggcacgatga 240
 gacttctcct cggctcccat tgagaaacgg caaagtggac acgtcttggtg ggcaccctta 300
 agccatttat ttacacaaat cttatggaat ttgtgcgagc aaggaaggac acggatttca 360
 tctttggcct ttaaccttga caagcacaca caacaccaac tatcctcatt aaaattggat 420
 gctgatgctg attcagatga ttgctgcttg ttatttttga tatggctaga tagcatgtaa 480
 cacggtaaag ggggggc 497

<210> 29734
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400025g09d1
 <400> 29734

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 aggagggcca cccaggaccc acttcagggt ggatcctctc ttgaaccggg aaaaaaagga 120
 tgactcatga gccctcacta ggcagggata atgaataatg aaattgatag cacaaaaaga 180
 tattttacat caataaaaca tgctacatta ataaacattt gaagaaccca acgaaccctt 240
 cgaaggatat caattacacc caagaagatt ttagagacgc cagacaagga agcagtattt 300
 caccattgat gaattgtaac ttgaagtaga tcaatgtatc aaaaggctag aaaagctcct 360
 cagaattgaa tttattccag gcttccttga gtagatcaaa caccttttct ggacatattt 420
 ctgctgtaga tgggcaccct tctgctgact ttatcaggat ggatacacia cgtagctttc 480
 ctataggctt ttttaacagc agcagctgta atcaaac 518

<210> 29735
 <211> 536
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400025g10d1
 <400> 29735

caagcataaa acgtaattaa attaaaactg caaacatgaa agggaaattt tcacacagat 60
gaatatcaaa cttaaaatga ctattataca aaagtcccta aaaaatggca aaattgcaat 120
tagcacataa ctctgggtgg ccatgtcatg atcaatgaag agaaatctca tgataatatt 180
caattaaagc cattgaaatt taaaccaagg acgaccatat caacatgtga attcaatggg 240
tttcttctcc tttttgtcgt caagtagtgc ctttctttgc cctgcttctg ccaactgatt 300
cccataacag gttgatcagg agaaactagt cccagtactt aatcatccca tcccagccac 360
atgtcgctac cttgctctgt tccaagggat gccactcgca accaatgcaa acaccttctg 420
gacacttgag agttctgtag accttgcaag tcttccaggc ccagaaccaa cacttcccct 480
taccattccc cgacatgaca tattgtccat ccggagaaaa attgacctga catgca 536

<210> 29736
<211> 511
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400025g11d1
<400> 29736

aggcaacaaa caattccctt tatagttgaa aacaaatttg aacaattgga taagacattt 60
gattgtatat acactcacia gaacaatgga tcaataccaa tgattgacaa acctcacaac 120
cacaacaatg aataacttac ccttcatcct attgatgtaa tttttggaat cctcttgaac 180
ctctagactg gtaaagctcc agcctaccct tggattcctg caacaatgcc tcgaggggtt 240
cgtcctgcgt cacgtttggt tgcttgggaag cccattcaag cactccaagc accttagccc 300
tagcaagttc ctactgtctt ggcacatgca atgcaatgta ggagagcaga actagtgtctg 360
aaatctgaac tgtctgttct tcaagatata caagctggac caagtgttct gcaccaccgg 420
cacttatgat tgccttggag tgatcaaggt ggaggtagtt ttccgaggaa gcaaatttcg 480
tgagagagat agctgcttcc ctagacactt t 511

<210> 29737
<211> 171
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400025h10a1

<400> 29737

cacgcttggg tttgctctcg aggatggttt atcaggaaat catgccacat gcccttgctt 60
 tgatgactga tgtcttttgg aattatgtgg ttcaaaagtt ttttgagcat ggacttgcat 120
 cccaaagaag agaattagcc aacaaacttc ttggccatgt tctgacactt a 171

<210> 29738

<211> 461

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400025h10d1

<400> 29738

gaaaggggaa acaaagtcaa caaccatata tgattaaatg aaaatgaaga aaaaaactgc 60
 cctcgcttaa acaagagcat catcattttg tacagtcgcg tcaacttata aactaactca 120
 ccattttaca atctttacac cgtaaatggg cttgtatagt cataatattt catttaattt 180
 tatctctctc tcctctgcag cagggggcat caggcgcatt aaaacatctg aggcctcatc 240
 tctcgcttaa attctttgta taaacttaaa agctacaaaa tgtacagttt ctgcagtaaa 300
 accgacaact ttattttcaa ttggctacac aaccatctt gagagatagg caaacatgac 360
 ctcttgatt tgggaggggc ggaggaagca gcagcagctt aactagcct tagttagctg 420
 tccaagaata ttttttctag ccacctaagc aggttgagga g 461

<210> 29739

<211> 520

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400026a03d1

<400> 29739

caatatgaac tactttctac catttatttg atagtccac agtactatcc actacatttt 60
 gtgcagccaa taaaagggtta caggcaacaa atatgatcaa actagccgtt gtaatgtaca 120
 acaaatacct ggtagctaa tatgaacaaa tgagcaaatg atttaagcca aagaatcata 180
 atgagtttaa attactttct acacgactat taaacaatgt ttgaagagtg gggagcccca 240
 tgccagggat caaccaaact tgcagtggca attaggccca tgagaatcat gcaacaaatt 300

tttgaccctg tactttgaat ccattgcata gtccagcaat cgcatttata agagttgcc 360
 atcatcctca ttggttcttg tatcattgcc acggtccatg ccagggaaat ctctctcttg 420
 gaatccaatg ttgccacctg acacatcatt actggtgact tgctttgaga aactccgaga 480
 ctgagttaca gtaaacaatg gtgcaccatt tgattttttt 520

<210> 29740
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026a05d1

<400> 29740

catgaagcat gcttttctta ttgaccttat accgtcgtca ggtacacatg gaaattatac 60
 atgaacaatg agtgtcagaa acacattcac taacactctt tttaacaca ttcttctatt 120
 gcttaaaatt taggtggatc ctactaattt gcgaacaata cccaccatat agaaaatgaa 180
 actcaccgga cttttaacta acaggagatg tatgccacag acagttttcc aatttaccta 240
 ctctgtccta cgacactata gctctgctat aatgtagcat aaa 283

<210> 29741
 <211> 505
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026a06d1

<400> 29741

cctctaattc tattgcaatg tacaataaat atgaataaac gagattaatt atggacttct 60
 ccccgatgaat ttttcctaatt tgatgtcca ttccaaggaa acatcgttga ttcaatggtc 120
 tgtagtttcc tcatgcatct ttaatcagca caatgaacta tctatgtgta gttcattata 180
 tcattaatct attttgcatt gccatttcca aacgcaggac tatcatcttg aacgattact 240
 tcaactgggt tttccttttg ccagacagcg gcatctagat atccaagctc aaagagtcgg 300
 tcaagaattg catctttctgc tggttcaagt gccagttga aaaactgtcg tgggctacac 360
 acgttttcag gattgcagtc tggactaatt cctatccctt gcaatcccaa tcgacttgct 420
 ggaaaagcac aaacacgaac cgtttgtgca gcagatgtcg gtggcataaa caatggtcaa 480

ccaccatcaa tgcatagtcg attac

505

<210> 29742

<211> 424

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400026a08d1

<400> 29742

ggtaacaaat tttaaattca tccatgacca tgaatattta tacagactgg agctgctgaa 60
agtgatgtta ttctccaaat taatttgagc accttccatt cattaataag taataactaa 120
catataaaaa gcacataatg caaagatata tgagaacaac atctacagaa aactcaagtc 180
atcaactgat aactttactt gcacaaaagt gcacaaagac taatgcaaac actgctgact 240
tgcaaattggg ggatagggga atccccgtatt ttcctctagc aaacagtgtt ttaaaatatg 300
ggcagtagca cactaccaa tacgtactac agatgaattt cccaagtgc ctgccattac 360
cactatgagt tggttgcaac ccccaaaact tgatcaacat tgctgtcaaa tgcaccaaca 420
aaat 424

<210> 29743

<211> 471

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400026a10d1

<400> 29743

cccccgaggga ttgcccccaa aaaaagggcc ggggaaaatt taacccaag ggcccccccc 60
aaaaaaaaaa cccccgggg gaaaacaaac aaaagggggg ggtttgccgg cctttttttc 120
accacaaaca attgccgaat ttgagggggg gtttggggaa tttttttttt taaaaaaaaa 180
aagggggggg ggaaaaaacc ttttaaagtc ccaaagggtc tccactgggg caaaaaaaaa 240
cccccttggt ttttttgggg gaaacactgg tccctttaa aaaccaaact tcccccccc 300
ttgggtgggg gggggggggc atcaccccc accccttcaa taaaagggg gttgaacagg 360
cttttttgat ccctaaaagc caagagaacc tcggggggcc gggggaacat ttggaaaacc 420
cccgggggcc caagaacctt gggagggggg gcgggggggc ccccccccc a 471

<210> 29744
 <211> 417
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026b02d1

<400> 29744

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 aaattatttt acccacaata catgaaaatt aaactcctga atatatacat tgcacaaact 120
 acacagatgt tcatttatgt taacaagata gaatagaaat agacttgaag cagacaagat 180
 tcatggcttc cacaacttca ttgtgcagtc ttcactaaaa gttgcaacaa gattcctatg 240
 gggatgatga gtgacaccta taacttcctt atcgtggacc ttcattagat gctccaattt 300
 gccagataga tagctgaagc agtatatatt cctatatatga ccaacacagt aaatccattc 360
 tccttttaggt gaaacacagg ctgcaacaaa gtcttcgtct tctttttacc agatgag 417

<210> 29745
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026b03d1

<400> 29745

atccgtgctt gttcatgagt cagacactta acaaaccatc aataaaaatt agccaattca 60
 gttattaagt cctaacgtta gggccgtgta taatggtaga caaattaggc attagcctaa 120
 ggcccctaaa aaaaaaattt ttagaccctt aagatttttt tattgctaac tattaacaaa 180
 ttttaactga tcaaaatgaa atagtttaga atctctctct tacctaaaaa ttaatcaatc 240
 aatattatgt ttttaaaaat taaccaatat cacaattaat gtcatttaaa gtattttatt 300
 tatcccaaaa aagtaaatcc ctattaactt tcctttaacc catcacaatt ccctaactaa 360
 cggatctcac tcttcagact ccatttttca cgtgggttca tctcctcatc ttatgttcat 420
 gaaaaaaatg tattcttcta ctttccttga atgaaacata ttggctattg atcaaacttt 480
 gttt 484

<210> 29746

<211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026b05d1

<400> 29746

ataaattatt tactatttaa gatttgaaag cccattcgtc tcatattgta caaatattta 60
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 cttatataca gcattacatt gcccatact ccaatgattc ccagttgaag ggctggaaca 180
 catagtaaac tctaggtgag cttttgaaga gcaaagccac acagacacac acagctgcta 240
 tggtcaccat ggtgagcata actggccaat aaaccattgc tgttctcatg cccgacattg 300
 acgtggcatt gttgttgttt caatcttctc agtctgcaag cttgaaactc tacatgtcct 360
 atgtccattt gattgcttct gcgtcgtgta actatctaca acaatgccag tgatatcaac 420
 cacatgctgt ctttcacctt atttgatggt cttcttctgg actagttgaa tgtaagagta 480
 ataagcccta aagcatgcat agtcgttagg ggacaaacct gtactgtcca ggga 534

<210> 29747
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026b06d1

<400> 29747

acttcaaaac gctaaaatat atcaataata tatcaggitt cattctcctc aaaaccatca 60
 aataataata gaaaattttc tccgaggact aaagcaaaca actagaagaa aatataatat 120
 ccctacacaa aactgaaatt taaaaaataa acagcaaatt gagtataagt ttgtaacata 180
 aaactgaacc aacaagcccc aaaaaacttt ggaatttgct ttttaagttc gggcaggagc 240
 tcctactcca gcaggacgtg gggcttgacc aggtgacca ggccttggtg catcatcct 300
 gcgtctgata aatcgctgtg gaggctcacg cattctccta tcagtgcggg atcgaacct 360
 aacacatgag agtggatagc acaggaaaca caatactgca tcttcacata aagctttgga 420
 agcgtgtatt gttcatagac acaagccttc t 451

<210> 29748

<211> 419
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400026b08d1

 <400> 29748

 acaattggtg ataccagcta ccaaaattta gtgttgatag cgataagtaa taagtacatt 60
 aaacctcatt gaggtttatg acaatcatgg cccgaacgcg agcatgagaa aatcataatc 120
 tttatggatc cctaggaaac cttaataaac tcatctacaa aatcatagta atggactcat 180
 aacttcgtaa tttttcagca gatgcattat tctttttgcc ccgaacgcga gcaggttgct 240
 tcaactactt atgcatccaa agcatgtgct gttgatagta ggtgtagcct tgcctttggt 300
 ctgtttttcc cttgcttcat tagctctata aactccctaa aaatgtagtc agaatcatga 360
 ggtccagggg atgcttcagg atggtattga agagacataa gctgttgagc agggaaagc 419

<210> 29749
 <211> 542
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400026b09d1

 <400> 29749

 gtaatatctt cccctttatt gtatatatga tcaacaatct gattcaaaaa caacattaac 60
 tctgtggtgc tgtgaaagcc aaattattgt ctgcaaaata gtattgacct ctctcgtgc 120
 tgaaaataag accagatttg gccatcaaga agcttgaatc cgcacccctc aaacaagcca 180
 caaagtcctt atcatacctt cctccatctt catgtttttt gaagaaaggt atgtcctaac 240
 attacttttt aaaaaataat acgataaaat atacagttta ctccacccat agcacatcaa 300
 aatttctctc aaagaatgga taaaaaccta cttaaataca catgaaattt atctagaatg 360
 caaacggtt gccagttgca tgcaaaaacc tatgagtgtg ccaccctttg ttctgcaatt 420
 cccttgagaa tacaggaaag acaccattca ttttctgata agcctcatgc aggacactaa 480
 gagcactgag ctcatgagag aaactatgtg tttgtgcagc atatgcagca actagccacc 540
 cc 542

<210> 29750

0022E0"EFFE5D

<211> 493
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400026b10d1

<400> 29750

actatataaa attgagcaat ttccataaca gactgtactg aaaacagtat aatccagcat 60
acacataaag cccaaaaaaa taaatccaac atataaacca gattgtctag caaactgac 120
tactcactag taatactgag taatctagct aacgagaata tcccttccaa ttttccctcc 180
tattgttcct gaatgcacag caccctatgg agtatacaat aatgagaaga acaaggaata 240
cgatgttaac aacagccacc ctcttccatt cagtcttgaa gttttgcaga aagccagcct 300
tgcatgattg gcaattgaag cacagaactg tttgattgtt attccaagca tcacagtcag 360
gattgttgta actggtcaca tttccaggct tcgtgcagct cgttgaattc tcataggtaa 420
ataggcattc ttctgcaggt ttacagcacc cagactgaag cgcggacagg tgctcggtgt 480
aaaactgagt aac 493

<210> 29751
<211> 370
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400026b11d1

<400> 29751

agttattccg atattcggac gcatcacctt gttatgaaat cacattgata gcctctactc 60
gtgtcctagc tcgtctaaga gctagatttg cctcaattgt tagtctcttg ccttcgcct 120
tattcaaatt agcttctgct atttcaagag tttgctgtgc ttcttgtgga tcaatgtcac 180
tacccttttc cgcattcatt actaaaacag tgatctcatt attgtttatt ctacaaaac 240
cgcccatcag agccatcggt aaccatttgg cttaagaag acctattctc aaaataccta 300
tatctaccgc tgtggcaata ggcgcatgat ttggtgatac tccaatttgt ccgctattag 360
tagataaaat 370

<210> 29752
<211> 169
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400026b12d1

<400> 29752

attcattctt gtttacaggc caataaaaca tttccttttt ttttaggagg gagaacatat 60
agtttttgtt atgccccata caagagcccc cattgaatgg ggttattgac cccaacctac 120
ccaccacata atacctgttt tgaaaaggaa agggggaggg tttaaaaat 169

<210> 29753

<211> 590

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400026c01d1

<400> 29753

gttaaacaac aaatgtccac tcaaatactt ggatataatag acaatgaaat tttcaacaga 60
ccgggcaaaa tagcgcaatc agcaaagtgc aaactcaaca tttgcaaata gtatcccaca 120
tataaaatgg acgaatatgt tattgaggag ttaattaaaa ctaagagcag agcataggct 180
acccaattt caagccgaaa gaagagcaca agtaaacca tcttgacaaa gttgattaac 240
cgcattcctg aacttataat agtcctcaac cttgttgtaa acctgacgag aaattcgtgc 300
atacgcagta acagagccat ctttcccacc acgaaaataa attggtactt caacatcaaa 360
ttcatccctc aaacgggtcc taagcttttg agcatcagag tcaactccaa taccxaaaga 420
aggaggcaaa cccaccatca ccatgctagc actcataatgc gaaggactcc caaggtgggt 480
cccccaagcc ttcaccagca tctcccccat cttaacaacc aaatcatggt tcctctttct 540
gatcccttga atcccaccct ggaccttttc acgaactcca taaccgccga 590

<210> 29754

<211> 462

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400026c02d1

<400> 29754

cagttgtaaa gtttggacct taatgtcaca taacagaaaa tggttaaccta caaacccgatc 60

aatctctata tactgtacaa aaatgtgtga attgcacatc cttgtcagca ctttattttt 120
 taacagttac tcaattacaa gaggaaaaaa aactatgata tttaacacat tgcagtttga 180
 tagaagggtga attgaagaat atacacctta aaagattttt ctacacggaa aatatcccag 240
 tcagccaaaa aaatcagtca tccaaaaacc agaaatttca gggacctggc ttccaaatcc 300
 atcaactcca atctaacaaa agaattgtgag aaaaagttta acaatcagta gtcattaaca 360
 tttggttgtg accatggcca ttaagaagtc ctgtaatata taggtgtgga tcattgtgat 420
 tcactttttt caggaacttc catttgagga ggtaagaggt tt 462

<210> 29755
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026c05d1

<400> 29755

aatcacctta aacaataaaa acattctgat ttctgagtgt actgcaaaca taaaaaccaa 60
 ttatgcatat aataaatata aacagaaact gactcaaaaa tccctgtgag aaaagatgct 120
 tagactatcg tcctcctaac tcgaggcacc taattcttgg ccacaacatg aaaatcgaat 180
 aaaaggaaaa accaaaccaa gcagaaccta caaagttcca ataccatccg ccaattgcat 240
 aaaaagtctg gttccaagg tgacctaacg gagaaactta taacatactc aacttacaaa 300
 tccattcatt aaactagata tatctattaa aaatccaaag cttcaaatac caaataagtc 360
 aaccaaactt tactgaaata tggcacagga ctgggtgcat gaagaacttg atcaccatcc 420
 agctcgactt gaccbaactt tagaagcact ttcgatgaac gatggctggc ccagaatcat 480
 catattcacc 490

<210> 29756
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026c06d1

<400> 29756

ccatcatatc atccatcttc tttttgttcc tttctttgtg agaattgtgc gttaaaatag 60

ctctactctt aacgcacatg atccttaaca ctggcaggta cagcactacc aaacaattga 120
 gttttcttcc tcagctaatt gatatcagca ataagcacca acacagaagg tgtcgtaatt 180
 gttttcaatg atagatagtc ttgaaaactc cacccaagct ataaaatcat caccacacaa 240
 ccttcaattc tttagaatca accctttcaa tgtcctgcat ttttcaacaa cttcacctac 300
 accctttggt gtaacatgtc agcaactctg gatgtccaca agtagtacgt ccactacacc 360
 tcttcgagat tattgagagt gcttcactct cgattcttga ccttgacaac ttcaacacct 420
 caagttgaga aacttcaagt ccatcatttt aaacactttc attcctgtat aggccaggtt 480
 ca 482

<210> 29757
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400026c10d1
 <400> 29757

gatgattaaa ctgagcaatg aagatgagac cgctcaatct ttcactaata actgcaagag 60
 taaattaaaa ctctcgcaaa acattgatat cgttacaacc actgatccaa gtgaccctta 120
 ttttagaata cagttacacg cacaagtgca caacacaaga ccataggtaa aaacataaat 180
 ggcatgaaca atgagtcaaa gcaatggcag aacaataata ttaacgccac caccacttgt 240
 aacagtgcac tcagttcctc tgcagtagca gagaaattag acatagcccc tgctctgtaa 300
 actctgcact gcaccttga tgatttgctc aacaggagtg aattctagac ctaaataaat 360
 cagcttcttt gatgcactct ttccacttgc tgtgaacaac cctgggtggg tatgctgtgg 420
 caacttagcc acatcgtatt cagggtataa ctgagcaacc ttgtccacaa gatcactaaa 480
 gtgacgaata gatt 494

<210> 29758
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400026c12d1
 <400> 29758

gacttaaaaa agcacactgc atattcatca aagcatcatc aaagcacact gcatcctaac 60
 agcacacgta cgtagaaagg tgaagttcca ggtcttgac aacatacaca acacaccata 120
 atttatttta tatacaatct tatggggccc aagatgcaga tgcattggact aattaaacaa 180
 caacgttagt ctgataggca gtatccatag ataaattggg taccataaaa atggccttgc 240
 ttccaaggaa atggcaaaca gggttagttc caggatcaac tcccatgagt tcatgaagca 300
 tgtgatgatt cattccagaa gtatcttgag tggcaaacag caagtgcctg agttttgggt 360
 ccatcaccag ccaccaatgg aaccatgaaa ggtgttggtt cacggacttt atggcagtaa 420
 aatactgcag ttctgaaatt aagcccatga cacatcact 459

<210> 29759
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d01d1

<400> 29759

ctgcaaagat ctggaacttt atggaacata ctactagaaa caaccttaac aagatcattc 60
 cctgcaatga aactacaaga attctgcaaa ttaattaaac acaagctttg acataaagaa 120
 tctaacgaat acaatccagg agtataaact aagggccttg cccaacaaaa tataactcata 180
 cttcaatctg agcaccactc ttgattaaca aaatctcact atttttttta caattacaga 240
 taccaagcgt taaaatcaac ttctgcttct gcgcatttcc ctaaggccat ttccattagc 300
 atatggtacc tcttaacgcc cagcataagg aggggacctg cttgtgctac tttcacaagg 360
 tgtcaaaacta cggcgcctat gggaccgacc acgaggacct gaacttcttt tcccat 416

<210> 29760
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d02d1

<400> 29760

ccaagctgct aaaataccta tgcgagtctt atttcatctt actgtcacta caatttagct 60
 aagcttctaa aaagatatat gtgggtaatt ctatgcactt atgaagggtt ttacaggatg 120

aatcgccaaa gaacaatgaa gaatcgactg aagcaggcag attgatcaaa taatgcctgt 180
 cctgttgagt gatgatcttt aaatcttggg ctacgcctgc tgattgcaac gttgcaaaat 240
 agggaggcca aagctcaaatt attcgggtcca gggacttcgg tatcttccca ttgcaatgtg 300
 caaccacggc ttactaattc catcgtcaag tataagggca gatgggtcaa gctcgattgt 360
 atcggctact gagtcatgac caaggccaag aatgcgccac cgtgtgtcca aaagcttact 420
 cttgtttaga atgtgagcca gcctaaaggc ggacttcc 458

<210> 29761
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d03d1

<400> 29761
 aatcaagaac attttaagtt aaaaatcatc caatattcaa tcgagagaca tgcattgggt 60
 ccaattaaag tgcagagaga cacattgaaa catgcgtaaa tagttcccc gattagtaac 120
 agccgcgaag aatgctacca agaaaataaa accatacagg gcaaagtggg tctcaaagat 180
 tactttctct cctcctcggt tgatggcttg tcgtcattct tctgttgagg ctgagactga 240
 ttttgcatgg aagccagcaa atccttgaca gaagggtcat ttgggtcaac cccaggaagc 300
 gatgcaagga tagaagatac aaaggattga tcggccaaca atttgctcat gtctgactgg 360
 ctgccttgat cctttgtact atctgctatt gacaattgga gtgccagagc caagtcagga 420
 tcacttgtag aagcttctga catatctgga tcttttacat catggc 466

<210> 29762
 <211> 405
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d04d1

<400> 29762
 caacacaaac caaacttatt ttcaaaggtc attacagacc cattacacat cacatttctt 60
 cttaaaatgt tggggaaaat ccaacatcga acatcacaca gaaatcagct ccagtttaaa 120
 acccccacg aagacccaac accaagggca aagttgactc cttctggatg ttgtagtcag 180

cggggggtcct tccatccttt agctgttggc cagcaaaaat aagcctttgc tggaccggtg 240
 ggattccttc ctggtcctgg atcttagcct tcacattgtc aatgggggatg gagctttcca 300
 cctagagggt catagtctta cccgtaaggg tcttgacgaa gatctgcata ccaccactaa 360
 gacgcaacgc caagtggaga gttgactcct tctggagggt gtttt 405

<210> 29763
 <211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d07d1

<400> 29763

aattaaaaca cttgggggga aaaccctttt tattttttga agccacaaag tgtaggggaa 60
 ccaccgtgaa caccgggaaa aattaatggg tcatcccaag gggtttttttt agggggggaga 120
 caatgtaact caaaatttta aaggattaca agccatttg aacaagataa aatattgggt 180
 tttatcaagg gataccttct ttttaagggg agaatgctta ggtcctcagg ggggggataa 240
 gcagggtccc tctcacttc ttgcagaggg gtcgaagttt gaggcatttg gatcattaca 300
 accttttagga acgggaattt tctcttgag ggccgctttg gcaaagaaag gccctctttt 360
 ggaggcattc tggttggcat taccaaaa 388

<210> 29764
 <211> 383
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d08d1

<400> 29764

aaaacaaaa attgtgcacg aagcatcact tcataaacct atctgattga tacactattg 60
 tactcattac aatctgggtc tcataactag caaaatcttg actacacaat aatttgcaaa 120
 gtgggaacgc ctctctgtta attaaaataa gaactgaagg atgccagaga tcaactattg 180
 cagtgtagac gtgggaaaca gaaatagacg atgtacacaa aagggaacaa ggatgtacag 240
 ggtggtttcc tatatgatat gtttcaactc ctgcatgatg agtcgaatca gcacaacatc 300
 gatttgatag gttaatgtaa atcgtagat ccaagggaaa cagcatgaag agcttacag 360

gttatattga taagcaacta ttt

383

<210> 29765
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026d09d1

<400> 29765

gaatagcaat tttaattagg aagaagtaag tagatacaat atatatagta gggaaaaaga 60
 ataagaccat ctaatttttt aattaattta cattattcca tgtttatata cttataaatt 120
 attccttaat tttcaatata tcacgtgtaa taaatctata aggccaaatt tggtaatccc 180
 gcgggttact cttaaactcg cagaagctgc cacggccacg tttgaaacgc catgttgcac 240
 gggaatgaac atagaacata gttgaggtag ttggcttata agacataggt atggaggtct 300
 acatttgtgg tctggtctgg acaacataga cttttgcac cttgatgaca cttgaatgt 360
 cctgaggagt gccatacaac tctttaattt tattttctgc acgggcaatg ctggacaaga 420
 ttgactggcg aaaactgcca tcaaggatca gtttgtctgg aaaataatca agcaccacct 480
 tctcggtttt atacattggc aactgtcat aaga 514

<210> 29766
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400026d10d1

<400> 29766

gaatagcaat tttaattagg aagaagtaag tagatacaat atatatagta gggaaaaaga 60
 ataagaccat ctaatttttt aattaattta cattattcca tgtttatata cttataaatt 120
 attccttaat tttcaatata tcacgtgtaa taaatctata aggccaaatt tggtaatccc 180
 gcgggttact cttaaactcg cagaagctgc cacggccacg tttgaaacgc catgttgcac 240
 gggaatgaac atagaacata gttgaggtag ttggcttaga agacataggt atggaggtct 300
 acatttgtgg tctggtctgg acaacataga cttttccatc cttgatgaca cttcaatgt 360
 cctgaggagg gccatacaac tgtgtaattt catttntctgc acaggcaatg ctggacaaga 420

ttgact

426

<210> 29767
 <211> 119
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026e02d1

<400> 29767

cagattcaaa gccattatga tacatacata cagatgcgac cattatcttt ttctatgtac 60

aattattggt attattccat atataaagtt ttctcctgaa ctttagccct tgggccaat 119

<210> 29768
 <211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026e03d1

<400> 29768

ggctctcctt ttttttttga atagattggt tccggcctac caattttata gcaaactt 60

tgatcttaat gcatatagta acaattgaca aattcttgat attgacaata acattgattt 120

tgaggataca tatttgacaa tgacaccaca aacgcattga acccaagtgt tgattacttt 180

ctctctctct ctcatctct ctctttaatt aacatcttat tctgttgga attatgaact 240

ggaaactgga catatgacgc acataacttt ttgcttgct taactatata gaaacatgaa 300

atggttgatg tgtatagatc tcaactgat tatcccttaa gcttcttacc catgcccaca 360

aagtactatc cttgatgaaa agcttgagcc aagtctaact catttggtat gttggaacca 420

taccggcat aggtacctgc accataaggg gatccacct ttacatgctt catctgaaac 480

attccagcac caaatgtgtt accaatgggc acaaaaatca 520

<210> 29769
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026e04d1

<400> 29769

aagctcagag tacttcgata actttatatt attttacatg catgcatagc atatatagcc 60
 tgctttcaaa ttagtcagca ggaaccaaga tagagagatc ccacgatctt taaatttcac 120
 atttgccata aatatttata cagaaaagag ggtttgggat atgagttaag ttttgatctt 180
 attcaactac agtatcccaa accattactt ttaagacttt gaactttact tggcctccag 240
 gatcatgtgg ctctcaagag ctaattccac acaagccctt aggatgtttt ccagcatagc 300
 attgatgctt tgacagggca ttaaccactg gcgtactcgg gggaaccaga ggggccctgg 360
 acaggtaacc gaggtaggtc tcaactgggt ggaatgagcg gaactttgcc ttattttcag 420
 tgttaaagct ccatttc 437

<210> 29770
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400026e08d1
 <400> 29770

acgaattatt tgttgtctgg tttgctgaat ttcatatgcc aaaagtggga atgaaagaca 60
 atgagatcct ctctgaacag tttcaatggt ccgcaatatc accactctat acacacattt 120
 tcacacaagt gaaatcaatt tcctcccat ttcattaac atcccaatgc tcttctacac 180
 catttaggcc tacttttttc tcaatttctc tgtttgtaac ttaacactcc cgggctgcaa 240
 gcatttatta cagaatcagt gtagttgtta aggatctttc tgtaatttca agcctcacta 300
 gttgggtaga gcatcacaaa acatgtcatt tatgttgtct caaactgac attgactaga 360
 atcctcaggt gggtcagcag ggaagacttg ttttggcagg tgtgaaactt tgagtgagcc 420
 tccaagctct actggcacia gagggatca 449

<210> 29771
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400026e11d1
 <400> 29771

atgggggtgca gcacgtattt attattttat tactatcata atgaacagct ggctatgtgg 60

gccagaatgg agtacagaat ataacatcct aatgccttga aatttaatta ccacacagga 120
 gaatctcctg aaacggataa agaactcatg acctctgaat gaaatataaa tcaataacaa 180
 gggatcatca catgttgagt tatccacaca aacaagagaa aactattggt gttccttatt 240
 cgtcactctt ccatttctct gttaagatca tgttcaccac ccagtgaagc agatggccaa 300
 tgatcaattt gactccgcac taatagttag gttgagtctt gaatagggga gaaaccattg 360
 ggtccatagg tggtaggaca ttggttcctt ctgtaagtac ttgcagctct tctctcagct 420
 gaagggagtg gccaaagagag ggtgcatgat tcccaatcac t 461

<210> 29772
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026e12d1

<400> 29772

attgtgtgct ttacttattt atttttttat taaaaacaca acagacattt tttcattttg 60
 gccagcatac tactctatta aataaactg ccatggcaga gaacaaacat tcctcacagg 120
 atattattct gtaacgcgta aggaactact tgcgtattgt acatatatca cttgggcaca 180
 acgcaccaac aaatTTTTTT ttattcacac aaacctggga aaactatagg aggaacgtat 240
 tccttactca taccttgggg g 261

<210> 29773
 <211> 424
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026f02d1

<400> 29773

aatcaaataa caatacaatc ttatttaatt aatgttttga caaactttat tcccatagaa 60
 acatgataaa ggatcattta attgataata aggactcgaa aagttttcag gggtatcaaa 120
 tgtgctctga cacaggcaac atcgatcag caccttcgca ctaccatgtg cacgatatat 180
 tagcccttga ttataacgtg aaaagatggg gaacaaagaa agtggataat tacactaaac 240
 aagaatcctg ataccctttt tatcatattt tgcagcgcct tataagaaca ttgactagtt 300

agcagacggg gagagaggag aacatgtact ttccaatcat taacaagact taggccaat 360
 aaattgcatt catgatcact cttgggtgct gattgactgg agctctaaac aattgttttc 420
 tgtg 424

<210> 29774
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026f03d1

<400> 29774

gggtcaaat cagttttttt aaaaattcca atgggccctg ggatatcttt tattttgagc 60
 ctgttaaaaa taattgataa ggcccaaac aggtatcaat tacccttta tgagatagaa 120
 ctgcaagttt ttatgaacaa gggaaactgg gaacagactt tatggaaagc aacacagatt 180
 aacaccatta agcattacac accccaagt tttgctcggg gtcctaaact ttgaatgtca 240
 aatgccctta aagaaaaaat gtttaatctt tttttccaa caaagaggga aggaactttt 300
 tggaagcccc tgggatttgc ttgggaaaag cccgcttaaa aaaaaccctg tttttattgg 360
 atgaaacctt tgagaatatt tttcggggcc tatagggccg ggtaaaaaac cc 412

<210> 29775
 <211> 406
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026f09d1

<400> 29775

caatatgaca gtccacaggt tagctattga tgtggggcaa ctaaaacgag ttaaatagtc 60
 caggaataca acaccaactt taagcttggt ccaaaccagt ctggtgaaga cttgactatt 120
 tgacatgagt ggcattacta ctgcacaaat ctggcgtagt ctttaacatt attggcattt 180
 acttactact agacaagtct gacaaaggca ttattaacat aagtcactca ccaagctgaa 240
 taagctcata tgctgagata catatactgt caagattttg accgacgaaa cataaatatt 300
 aatgataaca tacacatgag aaacaggtgt tcagttatgt gatgatagac ttcaacggtt 360
 gccttgatta tgatccacac agcctccatt ttcaggggag actttt 406

<210> 29776
 <211> 405
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026f12d1

<400> 29776

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tatggaaaga ccccccccta caacataaaa aagctttttt tttcgtataa aaggtctcca 120
aatatgtcta ggggcccacaa gctctgggag aaaatcacat tggagtagca catattggcc 180
ttgataatta ataaaaaatt cctacttttt cataaaaatg caataaataa ggcatgggct 240
acgttggcta cattgggtac caaaaccaag ggggaaatta ccatgtttat aaataaaatc 300
aaccattgaa ctttttataa gtgcccttat aggcggaaac actcttgta atgcaattga 360
ataccatata agtttaactt tgcccgggct ttgaatgact ttttt 405
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<210> 29777
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g02d1

<400> 29777

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agcagcccaa atggggaaga tcatgataat gccttcaact tgtctgaaca ttcgtcatga 180
tctgctggtg ctttgaagtt cttcactgat ttaccaaga catttaaaac agcatcacgc 240
tgcaattctt tacctagctc taatgaaagc tgaattgagc tcttctctaa ctcaacagca 300
tgcttgctta gttcaactga tgacaggag cgaagcattt ggatatattc ttcttgatct 360
gattggtcca atttctcaa aaacatctgc aattgttggg attgctcttt ccagtgcaaa 420
atttttaatc cctttggatt accaatggga gttgggcccā aagaagctgt tacataattg 480
gacttaactg ggggaaactt 500
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<210> 29778
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g04d1

<400> 29778

ggagaatgag aattttctat acaaataaca agacatacgt aattacatga caagttttta 60
 gataattcgc accttctcac tggccactcc gatctcttca ctagaagaaa tgatactatt 120
 ttcataaata tcttcaacat cttgcttaca taccaaaca catccgcacc tcaactatttc 180
 caatgattgg caaccataac ttttcaatac aaattcaatt tcaactgccga caacaccttc 240
 acaaatcatg tcacggtatt tatcaatgga caagtagaga atataaagggt gagggcaatc 300
 tagctccatg ggaggtaaatt tcttgggaact gataatcgcc ttaccattag gtccaaacaa 360
 gtagcactca acttcatgat ggcaagcctc aggaggattt acataactta ctaataggaa 420
 gcacagagca tatcccaccc attcatttac agggcaatta tgagggactg gtatttttagc 480
 ttatgaaaca cattcttgag ggacaaacca tgatggaatt cactccctgg gattaacatc 540

<210> 29779
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g05d1

<400> 29779

aagattaaat actgggggtcc attaaaccgt tttcatataa gtcttcaaag caaataacac 60
 acaatgttct gaaatccata atcccacatc acatggtaaa acataagaac acattagaaa 120
 taccacaatc acatccacac gactcagatt atatattatg cctaacacat agtcaggcag 180
 gtaaaatttg aactttaaga ctccaaccgc tcagaaacca tgaatcttga tatgatcctt 240
 cttcacgata ccagcctgga ctaggaagggt agaaacattc ttcctctgat caccttgaag 300
 ttgaataacc tgtcctagtt ctgggtcctg aacaactggt ccattgcaac agaactcttt 360
 cttgacgtct ttaagtatct tgatatagct gaattccttt ttcaatccct gaacggttgt 420
 caggcttttc ctaccatttc gatgctgtac acgaatatgc acatacttct ttgac 475

<210> 29780
 <211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g08d1

<400> 29780

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ggacccataa acgacattgc attagccttt tataagcatc aaattaaacc tttaatgata   60
aatcaaccca tccaattttg gccttcaagg atcaatttga agttatttga aggacccttt  120
tgataaccca atgaaacgaa cattggggggg aaggggggga accgatttga tattgcatgt  180
cttttagggg acaaattcat gtttttgtaa attatggggc aacataatat tgttgcattc  240
atthtgaaag acccaaataa aaagataccc tacacaggag gttttgagaa cttgtgactt  300
tgatgaaaat ggggcaaagc tcacattaac cgacatttcc tgaccaattc atataattat  360
gggacaacca tggcccctga tgggaaccat tt                                   392

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<210> 29781
 <211> 374
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g09d1

<400> 29781

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gctgccgccc tttttttttt gttttttttt ttggaagggg gaaacactgt caacagccat   60
gcttgattgg gtgaggacga agaaaaaac tggccccccc taaacgggag catcatcatt  120
ttttaccgcc cccttgaaat gtgcacctaa ctaggcttta accttcttta caccgggctt  180
ggccccgggt agtcatgagc tccaatttgc ttttgggggg aggggctctg gtgttcgggg  240
aaaaaagagc tttaaaacct ttcccgctc ctgggaaggg ggggttctac ctctaaaaag  300
gggagcccct aaatggcctg ggtccccctg gtgcccccat ttgttttgca taggcacacc  360
tccctttttg tgag                                           374

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<210> 29782
 <211> 447
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g10d1

<400> 29782

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 caggacttct gctgatccca ttagccaaca aattctgaga tttttcttcc cagagggcca 120
 tccttcctt cacaacttga aatctgtcat tcagttcccc acgcatatca atcagcttct 180
 taactttctc atgtttccat ttattttctct ttgctgattt tgaagatttg gggttcagaat 240
 ctgatgtatt tacagaattg cattcttcag tgtcttcaga acagtcaccc ttcaatgggg 300
 atgacttctc ctttcgtgga acataaccat tgtagttttt aattgacttc tcaactggag 360
 aggattcaac aaatgggtta aaataatcat ttggatcctc cgcacagac aagccatcct 420
 cagctccact tgagatagca ttgtctt 447

<210> 29783
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g11d1

<400> 29783

ccccgcccc attggggaac aaaataacat ccttaaagaa aatcatcccc cccccaaaac 60
 aaaaaaacc ccaaagccc cacaaggggt ttttttttcc ccttggggga aaaaaaacc 120
 ggggaaaaaa agttattttc aaaaaaaacc ttacctttac cccagggagg gcaaaaaatt 180
 ccaagggggg gggacccctt ggggcgggcc ccaacccttg ggaagcccat tgtgccccag 240
 gggggctttt ttgtgtttta aaaaaaacc aaggagcccc ttgaaaaacc cc 292

<210> 29784
 <211> 296
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026g12d1

<400> 29784

aagattcaaa caagggggac ccatttttcc cttaactgaa aggaaacctg taaacctgaa 60
 ctttttcccc cttgcctttg ggtcggcatg gtcacttttc ttcttacatt tttccaagct 120
 ttcattgctg cctaacaat ctaaaaaaaaa aaattaaaac acctcttagg tttccctttaa 180

aacaatattt ttttaattaaa taattttacaa atgcccaccc tgcttgcttt tttttggccg 240
aaaaaaattt gggtggggaa ttttcctcaa aacatcctcc aagaacaggg ttccag 296

<210> 29785
<211> 403
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400026h01d1

<400> 29785

gttaacaatg tttttcttta tactctttta ttcaactttg acaagacatt ttctaacatt 60
cagcataaac acataaccac aataaacatt cagaatgctt acactgtctg aggaaatata 120
cagcatccca aatgggtgaag atcatgataa cgcctacaac aagtctgaac attccacatg 180
aacagctggt gctcagaagt tattcactga ttaccacg acattcaaaa cccccaacac 240
actgtaattc ttttaactgtc acccaatgaa agcataacag gtctcttata caactcatca 300
gtaagcttgc aaagtcaaac tgaagaccat gagcgaaaca ctcgatata ttaattctga 360
actgattgga tcacatttct caacaacatc tgcaatatct tgg 403

<210> 29786
<211> 482
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400026h05d1

<400> 29786

aaaaatgtat actctctata atttgagatt attacatatt tctagcataa atcttgagag 60
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cacacaaaaa aggggggaat tcatacaaaa atactgaaaa gcctaacaca gaattgagca 180
agaggggaagg aaccatagag aatatttttag caatcagatc ataagaagcc agtagaagcg 240
caaaagtccc ttgccaagag tggtggaacc cttttaagtt aagcaggtgc cttctttccc 300
ttgagtggct tcaccacttc ccattgtgaag tcagggtcag ctctgtcaaa gcgtacatat 360
gcagtagtgt ttaagaacct gccatttaca ccccttttga gatcaagggt gatggagatc 420
atgccaggcc tgaagccaaa actctgcttt acaatgctga ggatttcctt gttagggatc 480

tt

482

<210> 29787
 <211> 417
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026h08d1

<400> 29787

aaggccaaaa tcaactatTT taaaaaataa ctataattta tggTCgagat tatccctact 60
 aaccaattcg tagcttctga tgttctaaac atttaacaac ggagaaactt aggaaaattt 120
 tacgggtata taatcaaact aaacacccaa atttagggca catcagtaac attccgctcc 180
 ccagctatag tgtagttcta aattccacga agtgTTTTga ttcccatata gtcactcaag 240
 cagttgagca tcttgattcc ctaccaattg atacagataa tctttatagg aaactttcga 300
 tgTTaagttc aacaaaggag cagggatcag gaatgtcaaa gttgtTTaat acctctggat 360
 gaacaatgcc aaaagtGCCa atatgttttc ctttgtaaTt gattctagct tgtctac 417

<210> 29788
 <211> 473
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026h09d1

<400> 29788

actcgaagca ttaacttgat ttgcttatct tgacataggt tgaatagaag caagcataat 60
 atcaaattaa aggcatagta gaatgagtag caaatccatt ctcatccagc atggacagag 120
 aatgaaatcc tcctacttta gtattcctaa ttacaatcca aaccatatag gcttaattaa 180
 acatataatt aatagagtat caaggTccat ctcgatgtaa aagttggcag acagaaagca 240
 gggagaagag agatagagag tgatgagatt cacctatgtc ctaaccatgg ttggtgagta 300
 agtgaagtac ccaagggAAC caaaatatct cccagggttc catgcaagtg ttttgagttc 360
 cacatccatt gacgtagtcc tcaagatgat gatgaaatgt actacttatg ctaagcggga 420
 aattaaaaca ctatccctcc taaagattag tggattgggc ttaaactccc ata 473

<210> 29789
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400026h11d1

<400> 29789

gggtatctta tcccatttct tgaagctgct tattttttgc ttcaaacaaa tacaatgtaa 60
 agagaagcaa aagttaaaac aaaaaaaacc ctacaatattc atataaacaa tccatctaatt 120
 gttggctccc cgtagtagga tccatgccac atgatcgctg cgttcttggt ctgtgtactt 180
 ccccttcatg agaagaattt cagtaattcc ttatatactt ttgcagcata ttcacaagaa 240
 aagtaactct ttagagtcac tgactctgat tatgcaaacac cttaaagaat gaccaccctt 300
 tcttttttat actaacaagc tgtgattagc cagaactatg ttgaaaacac tataatacac 360
 gttgatatga aggcacagaa gctgaaatag ccgaatgaag tgccaaaccc ttctaggagt 420
 tgggaacaat gggtgccaca tatgcaaatg ccatgatgag 460

<210> 29790
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027a01d1

<400> 29790

gagtaaacag acacacttga gcattaatta tgtaaatcat actttgcgcc atgtcttgcg 60
 aggtaaaaca aagtacaaat tcgagaatag aggcaagtac aacttagcaa agcctattga 120
 taaaaagaac tacgactgta taagcaaaac tgttatagga acccaaattc aagagggaaa 180
 gtcaatcaca caatttggta gctatccgtt atcagctgtg ttctctgagc aaatttggga 240
 ggattaccac cctttaatgg tatgatgttg gtaaccttca agtcactaaa cgtgtcagtt 300
 gccataaagc agactgaaat gggaaagaat gttgatgaat ctgctagtgg aacaacaaac 360
 tgcattgacc cactgcggtt ggaattatca atcagaagga cagaccactc caaatggaa 420
 ttgctagagt catacctgca ttgcccatca atctgcctaa cagatggtgc t 471

<210> 29791
 <211> 584

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027a06d1

<400> 29791

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aacaccatac taatcaaata aaataaaaaa atccttataa actcaaaaca ttcaaatagt   60
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atactcattt atgccaacta ttatgggaaa gtgaaaaatg gcaaccaaga aaattgttcc  180
aaaaaacaat tgccagtagt aataaaattg aaccaaactg aataatgcct caaaatcctt  240
gagatgaaat gtctctctta tgccacagct ggcatgtcct tgagccatgg atccaatggc  300
ttgccaattg agtacacaat gaaaccaatc tcacgtagct tctccacatt cacaatgttc  360
cttccatcaa aaacaaatgc tggttttctc atgttgatc acaccttctg ataatacaaga  420
ctcttgaact catccactc agttagaatg caaacaccat ctgcatcctt tgttgccctca  480
taagcatccc aaaccacact aactttcttc tcagggtgtag gactagttgg ctgcaagtga  540
atagggtggt ccccatcaaa ctgggttcac cataaatccc tctg                    584
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<210> 29792
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027a08d1

<400> 29792

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ccaactccaa tcatcatcac cacgtccagc aaaatacatt caaaagctat ctaaaaattt  120
gaggaacca cagtggcgca ttagaaacca tgaccataga atttatgaga gaaatattat  180
gggcaccgtg cctctccaac aatccccaaa acgttgctta ggcttcagca aaccaagct  240
cagaaagctt ttggtgagcc tcagcgtaat cagcgaagaa ggcatcttcg tccgatgcat  300
atctctcaac aagagggcgg aacacagggt cagacaaaag tgccttgta gaaggtagct  360
gaaggaggcc ttctttctca cactcaaca actccttgaa gtatgagttg tcgaaaataa  420
gaggattaga ggtccaggga cctcgaatc cagaacgctc cttgtgcgca gctccaatag  480
tgtgaccccc agacagagca acgatatctc ggtaactaag cccca                    525
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<210> 29793
 <211> 523
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400027a09d1

<400> 29793

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 gctgtggaaa gaaacatcca cgtcaattta attacattcc atttaactaa tgtagtaaatt 120
 agaaggatat gatatgtatc catcttcaat attattacct tgaagcgttt cttgcactgc 180
 gtgtactcct cttgattgac tcaattctct gaagccttat ttgctctcta aacttagcaa 240
 tgaactcatc agccttctta tccacatctg gtccttcac accatctgtt tttgaacttt 300
 ctccaccaat aacagggtgga ctctttccac tgtcattgtt cttagcaacg gttcttcttc 360
 cttcaacgtc ttggctctcg atttctgtgt catcgctgc atcatcatcg tcagattcca 420
 caagaaggct ttctttctca gctggctgtg acacaagagg cacgcttgca tgccttatga 480
 acttgttact tctaacaatg tgggtngcat ggatttatTT tct 523

<210> 29794
 <211> 598
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400027a11d1

<400> 29794

cacacaataa tttccgtgcc aaagcacgta actttttatt gatatggcaa tttacagtca 60
 catccaaatc gcaatacaca cccaccaaca attaatgagg atcaaacct tgcacaatca 120
 gtgcaccaag agtgctatat atgttatgag cactctccag ttttatagaa ttaagtggct 180
 gagctgatca ctggcatcat attttttTtg cctgctgaa ttatgctaaa tatttatgat 240
 attaattctaa tgttttctaa ctctaagaat taggaccca tgtgctcaaa tacataactg 300
 ttctgagaga ctctatgcc atccttctct tctaatac tctcaggta tctgaagta 360
 ctgaagaaga agaagtcgaa ggagaaggag aaggagaagc cagcttcttg gcctcagta 420

ctgaccctat gtggttcttg gcatgttgag ccaccaactt catcattgtg ctgttcattc 480
 tgcaataccc tggatccttg aacgcctnca ccagtcacaac agtggttgca accacataag 540
 ttccacgaca catgttgtat atataattgg tgcagtttca aactacaact tccctaatt 598

<210> 29795
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400027b01d1
 <400> 29795

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 gacaaactca tgtaaccctg ccaataaaaat aaaccctgat ccctaaactc cagcaccagc 120
 aggagcttgc tcacttcaat acacaactcc tagaatttgt catgtcacca cgggggaagc 180
 acgctgatgg ggagccaagt ggtgggctca cacgtgggga taccctccat aatacaacca 240
 aagacttaac cctcatataa taataatata ttaataataa agtgaactaa agaaataaat 300
 taacaaaaag cttttcaaca tgacatgcaa aatgggagac ctaatgatcc ccacaactag 360
 gaccattttt aaactt 376

<210> 29796
 <211> 221
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400027b03d1
 <400> 29796

gaacagacaa tataaatata tataaaatgt gggaaggaaa tattaagaaa attggcccat 60
 ccaaaaggaa tatataagaa aattgaccac ccgggagaga tggtaaacat catcgtggtt 120
 gtcgtcgtta tcaacctcct ctttacaagg aaaattttcg ctgcaggctg agcctgcagc 180
 gagtgtttta aaactacatg agacctggag ccctattgct g 221

<210> 29797
 <211> 559
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400027b04d1

<400> 29797

acaagcaatt acccaactca tctttttaaa taactaatct gctaacgaat tttgttctat 60
 ttatacaagc aattattaca atcatattac ccttccactc accaacaaaa tgcttaaadc 120
 tatttggaag aattatgtgc cttatgcttc atgagggttaa aaaaacattt tggttgaaag 180
 cttgcaaagt gctcacaaaa atgggaaaga aagaaaacat tatgaatggc taagttttct 240
 cagttttcat cgtccttcac aaagatcttc agagaaaacc acagtcctag aaatgttgtc 300
 attgtcaaag gcacttagac cagagtaagg acctgaagag aacattgaag atgttccatc 360
 aaattcaaaa gtgctagagg actgtcgtag gttgggtcgt gcattggatg aggctaacac 420
 agaatcttgg tattctgtga cgcgctgcac cattttaagt gactgtacca cttnacccat 480
 tgtgggtcgt tggtttgctt ctagagcaac acaggctgca gcaatagtgc atacacgtac 540
 aaaatctttc ttggatact 559

<210> 29798
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027b07d1

<400> 29798

aatatcgcaa tcgctgaaca atgttattta aaaaaggat cgaccacaaa taaaaacaac 60
 ccaactccaa tcatgatcac cacgtccagc aaaatacatt caaaagctat ctaaaaatgt 120
 gaggaaccca cagtggcgca ttagaaacca tgaccataga atttatgaga gaaatattat 180
 gggcaccgtg cctctccaac aatcccaaaa acgttgctta ggcttcagca aaccaagct 240
 cagaaagctt ttggtgagcc tcagcgtaat cagcgaagaa ggcattctcg tccgatgcat 300
 atttctcaac aagagggcgg atcacagggt cagacaaaag tgccttgta gaaggtagct 360
 gaaggaggcc ttcttttctca cactcaaca actccttgaa gtatgagttg tcgaaaataa 420
 gaggattaga ggtccaggga ccctcgaatc cagaacgctc cttgtgcgca gctccaatag 480
 tgtgaccccc agacagagca acgatatctc ggtcactaag ccccatagct ttgccatata 540

catctctcaa atggtcagaa cccttagtgg catcgggcaa gcg

583

<210> 29799
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027b08d1

<400> 29799

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 atcccttcaa tattagagaa gtagaattta gatgaagagc aattatgctc tccttcattc 120
 ccctttcttc ctaaaagttg aaacaaacaa tcaaagttta taaaatttct ccattcctca 180
 tttgcttcta accaaacact gttaaaaaaa aaagtcttat tttcttatga tttgctaaag 240
 gaagggaata caggcgattg gcgagcaaac aaccttttga agacacttat attacagaca 300
 caaaagacca ggcaacaaca tataagattc caatgcttcc caaaaaaaaa aagaaaaaca 360
 taaactaccg attataaaaa tgtgataaga cacctcacta ggtaaaaagc actagttggt 420
 cctctaataca actaatgaca tctaaccttt tgaagcgaca gtggaaatat taaatatgat 480
 aatc 484

<210> 29800
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027b10d1

<400> 29800

cgcggtcac aaatatatta aattcaagtt ttcaatctcc aatatccagt aatctttcaa 60
 caatttatcc ttgaaggagg gtttttaacc agtcacaaca gaaaattcta aacacaacag 120
 gcacaattaa gcgttcaaca caaccaacca aaaagaaccc aatttcaatt tcaaagtgtc 180
 aatctgaaac agcttgctat aggcaaactt cttctatggc ctttcgggtc atatgacatc 240
 ttcatgcata gtttaaacgg aatatgtcat tcaacacata atagcttccc tgaggtggtg 300
 gtatcaaag gaacatctgg ctgaacttga aagtgtgctg ttccgccggcg agctgaaggt 360
 ttccgctgac gaagacgagc atgccggcgt tgacgccgga gggctggcag tctacggtgg 420

agattgagtg gtggcactgc tgaaaagga gggaggtgag cttggcaacg atgttggaag 480
cgcttggat 490

<210> 29801
<211> 401
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027c04d1

<400> 29801

gaattgcatt tactgatctt tgttttttct ttatataccta ttctgtttcc aacaaggaat 60
aacacacaca ggcagaacga gggggaaaaa cctgggacga catttaagac ggcacctgaa 120
aatttgata tccacaccaa aagtttttaa aaaacggcca actaaccact ataggatcga 180
aacatggggg ccctagcctt aaaccggggg gccaaagggt ccagaaattc acccaacacc 240
caggggaaga aactctaaac caaacaggtg acgatcttac ggggatgttc ccctgaagcc 300
cttttttaga tatagaaagg ctttgtgcaa aaaccggggg cccttgtgtt ctgggccaac 360
tttttttagc ccccaaaaat tcggtgggga ggccccctt t 401

<210> 29802
<211> 492
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027c05d1

<400> 29802

gatgaagctt ctgccttggt atatacaata tgcgactatt agcagtttca agaattctta 60
cacaatataa ggctgtacca tgccagccag ccagctcaga cctgatcata gatcaaaact 120
taacagtcatt aaagacttaa tcatcatatt cacacgtatt tttcaaaact aagaacatat 180
tcttcaactg gatggaccaa tttatcaagg ggaaaaaag gcttaaagct tacatgtgtt 240
ttactgattt aacatcagca taaacgccat tgtgcacaag cttaagtgtg gtatactata 300
tgttatgtac tactatatct ggtgcttact acctcgcggt agcagcaagt ttttcatttc 360
tttgtaacca tggaactctt ccaatgcac agctgtagtt ttcctagtgg ctatgatccc 420
agaagacatt atgctcacag gccttgatgg ctcaaggatc tgattggggc ctgagtgtta 480

tggttccggg tt

492

<210> 29803
<211> 593
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027c06d1

<400> 29803

caatgtagta tagttttgtg ttccttttga taattcatgt tcgaagtta gtttacaaca 60
ttataaatta aacataacga tagaagaccc tccaaatggc atttctttct accgtctgtc 120
ttcagaattg agaaccctaaa taaaatgagt ttgcccacta attcttcaca aagatggcac 180
gagcagaccc ccattttctc aaacattagc aacaattaat taaacgatgc atcaccaaaa 240
caccgaagag acaagaccga aaatattggt aatagaaggg aacagatata tagaaacttc 300
tgtgctatac atagcacata tatttgataa caatcatcat tcaaaaacca cacatgtccg 360
acagaagacg aaaaagtaga catcaaacac acgatatttc agacactcta ataatcatca 420
tctccttcac catcatcatc tccatcacca gactcggcac caacctctc ataatccttc 480
tcaagagcag caaggtcctc acgagcctct gagaactcac cctcttgcat accttcaccc 540
acataccagt gcacgaaggc cctcttcgca tacatgacgg gtcaactatg atc 593

<210> 29804
<211> 458
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027c08d1

<400> 29804

actattagca tatcagggga aggttgaccc taaaggctac aaatataaat ttgctgcatt 60
attttaaatt gccgggggatt catttaaacc ccaaatttca aactggaact acaaaaattg 120
aaccattgat tgattataaa atatataaat gtccaagtcc aataatttct ccattgtttg 180
gttttcaaat cacattgacc tatgtgaaac agcttttagaa ttcacaagca taatcagggc 240
taaactatct cctattcggc cttgcaggga ctaaatacaa gtatattggt ttttaattctt 300
aatgagctta aatatcttct aagctctagg gatcagaagt gaatgttatc atgagtccat 360

gaatagaaga aatcagactt agcctaatat tcagactccc aaacattttg cccaacggaa 420
 acacctagca attttctttg gcaaagaata tgcggatt 458

<210> 29805
 <211> 581
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027c10d1

<400> 29805

cagcatcttc acgtttccga gttcctccg cctcaacgcaa tttttgttgt ctctcttctt 60
 ctaacttgag ataatacttc aacttcctca ttttttccct ctctgtctc ctggactgta 120
 aaatcctaga gattcgctct tcacgttctc ttctcaatct gttaaactct gcttggcgggt 180
 gactaaccac ccttgcttga tatacttcct tattgcccac cattcgaaca agcctctcct 240
 tctccttgag atctccctca tgcctctgtt tgctcagttc aacctcttgc tgctgtcac 300
 gctcatgaag aagtctctct tccactagac gctgttgata cgcagcttca atcaggggag 360
 cagcctcttc tcttttggct ctttccaaat aatccatggt ttttgctaac ttctggagtt 420
 tcttttccat ttctgtctt tcccggagtt gctcgggtcaa agtcaattcc atcaagggtct 480
 gcttggttat tttgtcccc tctatgattg gcttctttcc cttcttttta atacgctttt 540
 cagcttcctg gagtaaagct tgtgcttctt cattttctct c 581

<210> 29806
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027d03d1

<400> 29806

gtgaaaaatg tccagcagga tggacagtct gacatatcca cctgaataat atatatcttt 60
 ccagcaaagc ctatcaatgt ttactaagta gacaccaaata tattctaccc attaattgta 120
 taatcccacc acaagataca tcattttcaa aacttccgcg acaaacggcg tcccctgaaa 180
 taactaatgg tttaacaacg catcaaactt taatatactc taccttacct ccaacttaaa 240
 aaagacaaat aattggagtg taatctaaag atcctgggtga aagtctcacg aagggatctt 300

tgattctgct cagaatatcc tctattaatc taatgagagt gccggcattc tgatecattt 360
gcagaaaacg tgatcttgga ttcttcggat tataacaaat tatactttct tgataatctg 420
aacaacgtct tcactttcaa gttcatgctc c 451

<210> 29807
<211> 439
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027d04d1

<400> 29807

cccaaaggaa acttcctagc cttcattcca ttttaagcca gtagctcaaa tcggccccaa 60
gtttcattac aattacaatt caagggttca atcactgaca attcctattt atcctctttt 120
taaacattct aattccactt tcccattact aaacattcat atttaaaggt cattaaaatc 180
ctctagaagt cctacttta ttccgcaaga atgaaagatg gtaatataat acaaccctca 240
agcccattgt tttccaata gctagatccc cttgatactc cgaattctac ttataagata 300
ataattggaa ttattggat aaaaattaaa aacttaattt ttattgaaat taaaaatcaa 360
atgaaaatca aaccaaattt gtcgcatcgg gtcacgggg actcaggtgc gagtcaccga 420
ctccggtttt ggtggcggg 439

<210> 29808
<211> 515
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027d06d1

<400> 29808

ggttgtgaac tttagatcaa aattacgaca gatcaagaga tttaatataa gatataatat 60
atatatatat atatatatat atatatatat atatataaag aggggaatca 120
ctgtacactt agttaccctt tcaacaatct gtggtaacac aaatcaacag cagctgcatt 180
atgcagcaga caaatataat ggacataagg aaggaaggag agaccctgc caatggaatg 240
gtactgacat ttacaagatt caaactttga ccacatcaat gaaatgggtc ccatgcctca 300
cgcatTTTTcg tcgcaaatgt cagattggga cccactgggg tgtaactctg gaggggacca 360

ttgatctggc accataagaa aatacaagct catggctttc ctaaaccggt tcttgtactg 420
 ctgtggtgat ataacagttg gagaagtgtt cttgggtcca ccaaggatgc ctgaggtctt 480
 cacccaagtt tcaaggtgtt tgtcccatgt atact 515

<210> 29809
 <211> 593
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400027d07d1

<400> 29809

ggcgtaact aacatttctc tttatcacct ttacgatgtt ttcacaagtc acaaataatta 60
 gttttctatc tctatatata caatacttct tttttaatta cttaattata aatactcgtg 120
 ccacttattt aagtagataa tatattttcg ccaatcatag gagatattgc atatgtagaa 180
 aactaaaata aaaatcgaac aacccttttc atttattttt tctcttggtt ctcaactatc 240
 gaaataaacg acctgttgga aacttgcttc attctataaa agtaatcctg cctctccatt 300
 tattcaggtt ttcgacatgt aatgatggca aacttaatta gatctttctt gtatccctct 360
 atcatcaatg gcatagccaa agctcctttt atcgtttttt gtccactgct caagagtga 420
 gttagaccct tccatgtgaa ggctgagcgt atcactgctg gccaaaatgg agcaacaaag 480
 cgagaccaat cttctgactt gatgtcctga agtgacaggg attggagcaa nctaacataa 540
 tcagaagttg agcaccaggc agggaggtta tatgcatcgc atatcttctt tag 593

<210> 29810
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027d09d1

<400> 29810

agagacaaaa gtgtagggtt attagaaaac catctcaaaa ccgtgcatca cttcaagttc 60
 agagatttac aatacccat agcaggccaa atatatatga catttttgga acaacccat 120
 tttcaagcat tgatacaata cagagtaaag aaaagggaag agaaaaaaga aaaaattaag 180
 gggattgatc atatgatcat gatcatgtgg tggagtctaa aatgaccttg gctttgccac 240

aatggtggaa tgcttgagta tgtgcaagct aaattgccct cttttctcac tagtgtcaat 300
 ctgtgactgg ccagggggag gcaagagctc aaagttttgg accaaacgtc ccaaagtgat 360
 gccaagaatt ggcaatgcaa gagtgattcc agggcagctt cttctgccaa caccaaaggg 420
 aaggtacctt aagtcattgc cattggcttc aacatgagac tcttcctcga agaacctctc 480
 aggccggaac 490

<210> 29811
 <211> 434
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027d11d1

<400> 29811

aatccccaa caagattaaa cttgccgtaa aaaaaaggaa aagaacctat attaaactcta 60
 actatgaatg agtaatccat actttgggat cccaatctc aaggaccatg ggttccatgt 120
 ttatccattc cttttttgac cttccgactt caacttttaa caacttccca cggcctttta 180
 gattcctacc attcccaccc tgggtgactt taaaacaaag agacgagagc tttatcccag 240
 aatttaaact taaacttttg cttccccctg accaaacagg atccaaagac aaacgacctt 300
 tgtgggcaa atttttacgg ggtttggcca acttaaaaaa atgtgccgag aaagctcttg 360
 taaaagaacc ctaaattgtc cggctcctaaa ttcgctagag cataactcta aagaggtttt 420
 gggattaaaa gaag 434

<210> 29812
 <211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027e01d1

<400> 29812

atcatataaa gtttggttatt caatcaggcg aggaaaacag attctccatg caatgccttg 60
 ttctccatga ttgtttgcca ttagtcattg ttcacaactt tttgttctct aatgttcagt 120
 gacagtcatt gagcaatcac aaaagatggc acgtgtttca aaccaaaaaa gtaaaaaaaaa 180
 ttaaaaactag gccatggtgg taaaaataga tgagcagaaa tataaaagtt ttatcattaa 240

caagtactaa gcacaatcat agcattcaag tatatggtaa agaatgggat catctaggcc 300
aattcccaaa ccacaggttg gattacgtga cactgggtcca ctatttagtg aaatagcata 360
tgccccttac atgcaaaagg taagtgtgga ccaagcagca ccacctgggt aggaagagca 420
gcaaccactt ttttgtccaa caggttgccc tctgatctgc act 463

<210> 29813
<211> 525
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027e02d1

<400> 29813

aacagaaaat ggaacttgat tcaaatacga ccgtacatga tatcactatg tggtttgtaa 60
gtgcaggatg agctgtactc aaactccgta cagggtatct caaaagaaaa ggaaaatgaa 120
taatgattag ccaaagggag tagtagtagt ggtgacatta ggcagccagg cacaggcaaa 180
agcaataata ataagcagcc aaagggtaaa taaagtaaac tagaagttgg aagggttgga 240
attagagcat tgctgccact caatgaagct ttggagggta gcaacatcag ccctatagt 300
cttctgtgtg aattcaaaca aattggacca tgtgaaatca gggacttcc tttctcatt 360
tctgcataac aaattgtctg ggggcctcac tattttgtct tctcttgac acacaaaata 420
aacaaggagc cttctctgcc tgtatgtgtt caccaatgcc ctgtgtagac aactcttgta 480
tctgccattt gacaatgcca tgaaagtatc acctatgttt atgac 525

<210> 29814
<211> 501
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027e03d1

<400> 29814

gacaaaaaa actaccaatg aactctgaag aaaaatttga cagaccattt caaaaatgag 60
aagagtatga tagtatcaac acccaaaagt ggggtgagtg aacaaaaata aaactaacc 120
cccaccaaag tagtagcatg ttcttagtac atatggcaca tgataaagat atcaaatatt 180
acagccttgc cagcagccca gcacaagtgc aagaagatgc tctgcggtg ttatatacgg 240

gtaccgaccc tttgttgctc ctttgcttct agaatcatca tgaaagttgt atgttatctt 300
 gtcgttaaca tcaatgattt ccttccactt ccttccaatg ctcactctggg cagcttcatt 360
 tgctgctgtc tttgtccaca acgaaagttt gtcttgccac tggcgcacac tagcaaccac 420
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 ccacatgtta tcaaggttag c 501

<210> 29815
 <211> 570
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027e05d1

<400> 29815

caaaaaaaaa aagtgggggg aagcgcaaaa gcattttcta tacgaaagca agttgctttt 60
 ctcacatggc cctaacagct tggaatcttg gttccttggg aaggaacttc tgctcagcat 120
 agacagacat gtagtcacca aaaacaaact taggataagt ttcacttact tgttggtctt 180
 ctttctccac aagttgcggt gcaggacata tgggtggcctt gaatgaagga ttatagaagg 240
 aggcaattga tcttctgttc ccactctggtg tggccagaac cctgtgccag caactcttgt 300
 atctaccatt gctcaagacc tcaatctgat caccagtgtt gatgacaatg gcatttggca 360
 aaggctgcac atcaatccat tgcccttctt tcagcatctg aaggccacca accttgtcat 420
 cttggaagag taggattacg cctcctgcat cgggtgtgagc tcgcagaccc ttcacgagct 480
 ctggatgggg acatggaggg tagtggctca ccttgggtgcc aaagaaggca ttttctccat 540
 ctgcaccatt cagtgccttc tcgatgtatc 570

<210> 29816
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027e06d1

<400> 29816

gacaccaagg gtgatattct aacagaaggt aagttgagtt agcaaagatt ggcacagaaa 60
 agcttttagtt gtgtaataac tttggctaata tcaatgcctt aggaatgttc catgaaagat 120

gtagtttttt ttctagataa gacattatga acatgaacac tcaggtagtg ggaaaactac 180
agccatgcgg gattcttcaa agcagtgaca acagctttta cttgaaggta gcttctaagg 240
ctgtagattc cccttactct cccttgacca ctcatcttat atccaccaa aggtattgct 300
gcatcaaaga catcatagca gttgatccat accgttccag cttgcaatgc tcgcatcaag 360
gtgttggcag tgtccatatt tttagtaaaa actccagcag ccaggccata ggaagttgca 420
ttggctcttc ttatcacttc ctctagatcc ttgaatttca agatagattg tactggacca 480
aatatctcat cttttgctat caacatgttg tcttgaacat ttgagaaaac agtggggttg 540
atgt 544

<210> 29817
<211> 578
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400027e07d1
<400> 29817

gatgaggtaa aacttttttt tttgtagtat ccaataaatt tcagcaaata acaatgttat 60
agtgtatgct gctagcattt atcataaata aagaatctta gtttacta gaatccatac 120
atttcagcaa gttcaaacia ctttgaaacc agcagttgtc acatctttgc ttctgacata 180
ctgctcactc aagtcttggt tattgtgtgt gcttgtgtcg ttgagaaaac tagaaaacca 240
ttgaacagaa cgtttgggaa tccgttcgag agtgtgtcta tccacataat aaagtcata 300
tctcacgcca tagccgcttg tccattcaaa gttgtccatc aatgaccata tcatatatcc 360
tcttacatcc gcgcctttcc ttatggctct aagcagagct gcaaggtagg ctttatgata 420
atctattcgt ttgaaatctt gtagtagatc atccattgtc acatttggtt tgtgcggtga 480
cgaatatcca ttttctgtaa tatacatggg catgttatgg tatcttatct ggatgtagtc 540
tacaatcttc ttaagcccct ggaaccacaa aaatctgg 578

<210> 29818
<211> 548
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400027e08d1

<400> 29818

gatgaggtaa aacttttttt tttgtagtat ccaataaatt tcagcaaata acaatgttat 60
 agtgtatgct gctagcattt atcataaata aagaatctta gtttacta gaatccatac 120
 atttcagcaa gttcaaacia ctttgaaacc agcagttgtc acatctttgc ttctgacata 180
 ctgctcactc aagtcttggt tattgctgtg gcttgtgtcg ttgagaaaac tagaaaacca 240
 ttgaacagaa cgtttgggaa tccgttcgag agtgtgtcta tccacataat aaagtccata 300
 tctcacgcca tagccgcttg tccattcaaa gttgtccatc aatgaccata tcatatatcc 360
 tcttacatcc gcgcctttcc ttatggctct aagcagagct gcaaggtagg ctttatgata 420
 atctattcgt ttgaactctt gtagtagatc atccattgtc acatttggtt tgtgcggtga 480
 cgaatatcca ttttctggaa tatacatggg catgttatgg tatcttatct tgatgtagtc 540
 tacaatct 548

<210> 29819

<211> 446

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400027e09d1

<400> 29819

ggccttcaat agaaacacaa ttgattcatt aagtcattgaa ctgcataagg aagtaatggt 60
 gtgatctcat ggaggttaca aatgaaaagt aatgccacaa aaaaatgtga ttttatcaaa 120
 cctttcaagc aaaatgcaaa agccttctta caaacctaatt ttgcccccca attttttcaa 180
 ataaaatgaa agaaaaacag accgattaat taaaaggatg taaggaaagg agattgccta 240
 atccctgtgt taaataaaaa cgcatcttgc aaaacaactt taaggctcaa acatttgata 300
 gatgcagccc aggcaaaatt ctcaagggtt atccctgtac aaaagatttg accagtgtcc 360
 cccaaaacag gttaacagct aagtatcaca gcttatctatg atctttatgt agcagagaac 420
 cttcagacat cagacctttt gtttaa 446

<210> 29820

<211> 499

<212> DNA

<213> Glycine max

<211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027f02d1

<400> 29822

aagtaatgta attagttgct tcaattccca acgaaaaatc aaatacaaca gttcagtact 60
 tagacatgga cagtaagaac aacacaataa tgttactaga agtttagcac ttagaaaaac 120
 tgtaatttgc cctttattta ttagtagcac agtactgaaa gtcacagcag agtggttaagg 180
 gattttgatc ttgggttgat gatataatga gttcacttat gagattgagg gtcacaaacc 240
 ccaggctctt tgaataagtg agataatctg gaggccaaac tctgttttgc tgcaggggaa 300
 acgccattct tacctatcat tgactccaac acagcctgtg agagtagttt attctctata 360
 acagcactcg taacttctgg aatggtttca tcactagaga aacttatcgt taatgatcca 420
 ttgggtgaga cagtgaaaag gatagaggag cctggtgga atgttaggtc tttgaaaac 479

<210> 29823
 <211> 521
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027f05d1

<400> 29823

gacacctcgg gtgatattct aacagagggt tagttgagtt agcatagatc ggcacagaaa 60
 agcttttagct gtgtaataac tttggctaata ccaatgcctt aggaatgttc catgaaagat 120
 gtcgttcctt gtctagacta gacattgtga acatgaacac tcaggttgtg ggaaaactac 180
 agccatgcgg gattcttcaa agcagtgaca acagctttaa cttgaaggta gcttctaagg 240
 ctgtctattc cccttactct cccttgacca ctcatcttat atccaccaa aggtattgct 300
 gcattaaaga catcatagca gttgatccat accgttcag cttgcattgc tcgcatcaag 360
 gtgttggtcg tgtccatatt tttagtaaaa acttcagcag tcatgccata cgaagttgca 420
 ttggctctcc gtatcacttt ctctagatcc ttgaatctca agatagattg ctctggtcca 480
 aatgtctcat gttttgctat caacatgttg tgctgaacat t 521

<210> 29824

<211> 575
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027f06d1

<400> 29824

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tacacactaa cacacatggg atatgatata aggtcataat tacctaccta ctcatattgca 120
gaaactgaag agaaagcctg attctagtca tctgcaaatt gagtggtatg gacaacacaa 180
gttggtatgt agcttctcaa aggaagaaca tctttgttta ttaatacatt ctaccgaaac 240
aaagaagaag aactacaata gaatcaatac atacatagcc ataaggaccc tttaatgaga 300
gagagtccat tgcctttttg tgacttgccg gtttgctaag atgtggccat agcttctctg 360
cttcatgcca ctacagagaat tatgttcttc catgtatacc cttttgtggg gattgattag 420
agaaaccaat ggctaaagca taagcaaact gtatgaggtg gaatgtgaag ggtgagaacc 480
ctctacacaa aatccttcag cttcttaaga accatggatg gattttgcca acaagctcat 540
gctatccaaa tgatgataga tggtttgacg atttt 575

<210> 29825
<211> 485
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400027f07d1

<400> 29825

ccaaaggaaa acagaccac aacatagtta ttttttcccc ttctttattt catgaatgtt 60
ttaataactt ggggccacat attatacaag atgaaacttg accagaaaca aggacagcca 120
atcacaatca cgtaagtctc ttatcttcta tcaagacatc gttcaagaat taattattaa 180
attaaaaaga gaccagaaac tttaacaccg gggaattagt aggctcccat tactaattcc 240
acaatacttc ccaaggaaat tcatatgcca tatcaacaat .ctcacaaatg atgctactac 300
ttgtcagtaa gaatgagttt gctctagcag ccatgtcccc tttgaattta gaccgaatcc 360
cacttaataa caaagaggag ttcaatcaca gaatagcaca actcatcaca agagactcca 420
tcaaattctc ttaaataaca atttattgag atttgaatgc atcatcgttt tagactagaa 480

tcatt

485

<210> 29826
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027f08d1

<400> 29826

aatacaaaca caattcttat tcacaacaga gtagcacgat tcctttcacc aattatcaac 60
 aatacactga aaaatctact cactcatttt cgtgaatgga ttgtgagga agaaaaagtc 120
 gtgtttatct tctctaacac aattactttg atggggtggt agcaaacttc caagtatatt 180
 gcgataaaga accaaggcct ggtgcttccc cagcaacttc ataaacagga actgcatcag 240
 aaatttcact caactctgca tttgtaagtt tcacagccac agatccaacg ttgttttcaa 300
 ggttcttgat tttagtagtc ccagggatag ggactatgtc atttcctga tggagaaacc 360
 atgctaaggc taactgagaa ggagtgcatt aatgtttaga agccaaatca gcaattcgat 420
 tatagaaaag cttgttcttt tccaaatfff ctccactgaa cctggcatct tcagccagtg 480
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<210> 29827
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027f10d1

<400> 29827

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 accaccaact agcaggaaga aaatggggaa agaagataga ttgggttaaa atatgattct 180
 gttataatat ggtagagatt aaaatatgat tctgttcacc atattataac agaatcatat 240
 attatcatat ctcccaaate ggtatcatat ctcaacaaat tgtaacagta cttaggcaat 300
 taaatgtgtc ggaatacata atcacattca cacaggaaat tttccaaatt gtgctctatt 360
 tttataataa tgggtgttcaa caaatagtgg cagagaataa aaggctataa acctttaaaa 420

gatcgatttc ttatctgcct gattccttaa gttcttcgaa cgtatcaaag actatcagga 480
 aaaagttggg taagtagaaa tttaaaaa 508

<210> 29828
 <211> 405
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027f11d1

<400> 29828

aaaaaaaaata aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
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 aaaaaaaaaa aaaaaaaaaa aagaaaaaaaaa aggaacaaaaa agatgaagga acaaaaaaaaaa 180
 agagaaacaa aaacaaaaaaaaa aaaaaaaaaa aaaaggaaag gaaaaaaagga aaaaaaaaaa 240
 aaaaaaaaaa aaaaaataa gtaaacaaac agctcagtaa attgacttac ggacaaaagc 300
 accaaaggta aaaaatgtta aaacagaag catttagaaa aaaaattaga agaaaaaaac 360
 agaagcacta agacacaaga aattaaaaga aaaccaccaa gagga 405

<210> 29829
 <211> 347
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027g01d1

<400> 29829

cttggcaaag catgaaatta aaacaacca aaatttcccg attaaaatca ggattggggg 60
 acagttttcc catcagagaa atgggaagag ttttaccat gcaatatttc cagctccaac 120
 tttccattat agacccttga cattgaaatg aaaaaataaa ttttgccact tgaagtgaga 180
 caacaaacaa tacccttttc caagggtcat tacattaatc actagtcatt aatcttgggt 240
 aatttcctcg gaaggccttt gtgcattaca cgtaccagta aggaaaatta tttgccccaa 300
 acaagaaaag aattttactc ctaccctttg atttgggacc ctactac 347

<210> 29830
 <211> 362
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400027g02d1

<400> 29830

cactccaatg gctgcatttc ttattccata ttttacatcc acaaaccatg ctgtgataca 60
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 ccacaaaagt acaaaaccca gagattaaaa ttgatattat actgagaatg taaatatatt 180
 gatattacac ataagattgg gatatctcgg tcgggatttt tggcagatac ttacaactta 240
 gtaagtaaag gttctttttg tagatcaaca aactgactgc aatcaattcc cttatcagaa 300
 aatgcctgta caagcttggg gaagagctta gcaagcataa ttttaaattcc tgttgaagtc 360
 cc 362

<210> 29831

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400027g03d1

<400> 29831

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 gtcaacaaat aaggattttt agcgagctaa agacaatggt atactttggc aattaagctc 120
 tctctacctt ggggtaaaac ctgatcaaataaaaagttaaca tctaagacaa aaacagctac 180
 agaaaactaa actataagaa tagcatgata atcatcatat ataagaggag gatgggggca 240
 ttctctctga aagaccaaca acaaattcaa catccctaaa ggaagctcca gattgtgctt 300
 tttcccttta agccactgca ggcatgttct tgagccatga atctagaggt ttgccaatgg 360
 agtcaacaat gaaaccaatt tcctcagct tgttaacatt cagcagcttg cgggcacgca 420
 aatgaatgc aggcttctgc atgctgtcat aaaccttttg gcaatcaagg ttcttaaact 480
 cattccactc aggcataatg catatgccat gtgcacctt g 521

<210> 29832

<211> 557

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400027g05d1

<400> 29832

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 atcataacct tggacctaaa gtaaaggaca ctgaatttcg aattctgata tattgctcat 180
 caactcctac tactaaatag gcctaagttc aaaatttagt gttgaaattt tctggtcatt 240
 ttcaggtgac taccaaaggt gtaggagctc ctgaaattct gaagtaagat tcacttgctt 300
 gtgcatgggg atatgttgca actgaacca aggatttatt agaattgcat atttgattga 360
 atcctgacca cttcatttgc atgaagctgc tcttcctcca cggacccacg tgcattttct 420
 tttccttcat tgatttcttt gcagcattgc acattactcg aacaatggca gttaagtact 480
 ccagttttcc aatataaaat tcgggcaaac aggacactag ttttccggta attttcactt 540
 gcttttgcaa tctgaaa 557

<210> 29833

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400027g06d1

<400> 29833

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 taatgacacg tatgtttaaa tccatatatc tgaagtacag tcaccaccag gatattctcat 180
 ctcatgggca agagaaggac catcaggctc agttccaaag tccacaaaga agttgggggtt 240
 gattttcagt ccacctttct cagtatcaac atcaatctgt attatgtggg agcctttctg 300
 gacaagctct ggataaaatt gtttgtccca agtactaaat agtgagttgg tagcatagag 360
 ccgcttccca tctaaactca attgaatcat ctgaggggccc cctctcaact tgtttcctg 420
 aatctctgga acttcagctt gccatgtttc accatcatca gttatagcta ctacagggct 480
 tcctttctgg ataagtccac caaccatac ttgtccagtc aggttaagat ttttaacg 538

<210> 29834

<211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027g09d1

<400> 29834

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 ccaactgatc atattgcact gatggtgaat gatatatctt acagcacctc aatgggggca 120
 ctccgaattc aactataat aaactgaatt aagattaatc ttcggaacgg tgttgcgatg 180
 atatccaggc tcagactcaa ccatttaagc cacggatgct ttgcgggtcac tcaaattccat 240
 cacacgggaa ctgttaccgc attcgggtggc ataccaggaa acacgtttta caaaggtgtc 300
 attcaaggaa attccggcac ttggcggttaa acctgctaga cctgttatga ccaacgtaat 360
 tgagagactc agcatcatct tacgtgggac ccacattacc cttcaatttg cctctgtatt 420
 cctccttgat agcagacatg atatgctcat acgacgtgg cttatctagc ctaacagtgc 480
 ggtcaacatc tgacacatct acagtgggga c 511

<210> 29835
 <211> 515
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027g10d1

<400> 29835

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 atcagtgaac aatttgttca gaaaacacta aaagttaaatt ggctgtatat tgattcctag 120
 gagctacttg gacaacagtc cacaggtata atatactcaa cgctatcgtg aggctgggtca 180
 aacataacat caaatggaa aagcttaaaa caaatgggtt ctgtcacaaa gttggggagt 240
 aaaatttttt ccttctctgt tttaagatta aaaaaaactt caccgggata aaatctagat 300
 gcttcagaga attgcttcag ttgaaaacgt actttcacct aactaccaa ccttgggctg 360
 cctgagaccc atcctccgtt attttgttgg cctgaatggg actgataaca ttgcaatgt 420
 ttctcttgca tgctgctagc ttgtttctca gtgcttgcca ttgggtgctga ccaaacacac 480
 gatcagtagg atgactaaca actactgatc gatgc 515

<210> 29836
 <211> 411
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027h01d1

<400> 29836

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 tcaggaggca acatctcact caaatcaact tcacaaagct gaaagggttggt ggtaaatgga 120
 aaatgactaa gaaatcgata ccgcctcctg atggcttcag tctgagtaac tgtttccaac 180
 tgtagaatcc ttccacttat tctgtgagga agcatatcat agctcccata atggtgaagc 240
 aaacacttca tggtcagagg atgaagaatt agatgctgac catcagcagc ctggtagaaa 300
 ctgtatgaac tattttcctt cacatctcca ataacacctt ctgaatgcct ttgattatca 360
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<210> 29837
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027h03d1

<400> 29837

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 taccatgctc tcttaccaga aaagcaaata caagatgtat ttaaaaacta tatatcaaac 120
 ttcaatgtgc gtggaacttc aacagtttgg gatactataa tggaggatcc agcctcagac 180
 agcaaaacct gattgggttac cttccaggtt cactggtaca atatagtgac ttcttcttgg 240
 ctgatagcat tttttcaatc tcaacaattg caagtctgaa gcacatggat gccaaagtctg 300
 aagcgctcat gtgtgaagtg tcatttactg ccagaatttt cttgggacac cagtaaagtc 360
 tgaaccctct tcaactgata ttatgccctg tcaagctctt tccatagttc catcaccac 420
 atcatttcaa gttgataaac cccaccacac cctccttttg tttactgcat accttttgcc 480
 ataaagccca caccacactc ttttcatttt cggcctggcc cgtcacagtg tctttcttct 540
 tcaggtttct tccctccctc tc 562

<210> 29838
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027h09d1

<400> 29838

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 ttttccacac gagtaataga gaaaagtaca gacacatatt tttttttgaa agaaaagtat 120
 tgattgcttt taaatgcatt agcaggtgcc actcaatgat gaccagtcac cactataggg 180
 tgtgcagaag aagcaacggt ggtccacgat tatgatgatc agaaatcact tgatccgacg 240
 gcagatagtg attccatcac caaccgggag catgcaaata ctcgatcctgg ggtccacagc 300
 gagggctttg ttgagctcca gcacgaagtc cctgtagtac ctaacataact tcctaagagg 360
 agcatcaggg ggtgccacca cagatccgtt cataggggtg tgtcgtaccc gatcacgcgc 420
 ccaactttta caagctctat caacctcttg tggcagttga agtaagtgtc cttgtccgca 480
 tcaacaaaga tgaagtcata gctttcatgg ttcttctcat cgttatcatt tcatcaagaa 540
 ctggtagagc aggacct 557

<210> 29839
 <211> 178
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400027h11d1

<400> 29839

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 gaagactaac gtctccttg aactacttac gaaatcaaaa ctcatgccaa agaagcctta 120
 aacggacaat cttcaagcta aaacaaacca tgggggaatcg gcagcaccgt tcaaacca 178

<210> 29840
 <211> 550
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029a09d1

<400> 29840

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aaacccaaat atggacatac accaatttta ttcataaggca atacccaaac atagatagga    60
atcattcata caactttttac aatagcaaag agtacatagc ttcagttggt tatttttattt    120
ttaattttcc tatactagta gtgcagccaa acaaagatat caactgcccc catatagata    180
agactagtga tggaagcgag ttctgttcat catcgtgatg aactcctccg cactaacctc    240
tcgatcatta tcttgggtctg cttcctcaac catctcctga atctctctgt cagtgaatt    300
ttgacctagc tcttttgcaa tgcgcttgat gtctaagcg gatattcttc catttttattc    360
atgatcaata atatggaaag ctttcatgag ctctcttta gtgtcccttt ctctatttt    420
ggctgtcatc atgtactcaa attcttgata atcaattgct ccacttccat ccttgtccac    480
atctgctatc atttgattga tttgctcttc tggcatctca aatccaaggg ccctcatagc    540
aacattcagc                                     550

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<210> 29841
 <211> 310
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029a10d1

<400> 29841

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cccccaacc gtttggtaaa ttgggggaca ccaaaaaagg gctaaaaatg ggggtgggaaa    60
aataacaggg gaataaaaat ttcccccccc tttgggtttt aaccttgggg cccctttttt    120
taaatttcct tgggtatttt ttttttttca ccagaattt ctttttttta aaccttcttt    180
ttattggggg tttctgggac ttgggaaagg gcttttcttt aggggaaggtg ggaaaaaacg    240
ggggggctgt cttgggggta aaaaggggcc ctttgaacc ggctactttc cgtgggggaa    300
aggtaccct                                     310

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<210> 29842
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029a12d1

<400> 29842

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 ttctataaat ttgttcctca taaaatgcc acaatctctg cttagggttc gcggaaggtc 120
 taatctaatt ccattaatta atgattcatg aatggaagtg gggaagtagc gctacgcaga 180
 gatggttggc aatttaactt gttcgtcaaa aagagaaaca aacgaaagat acagggttat 240
 taaaacaggg gaaagcctat atatgttttc cataaaagag ttgacattaa aggcgatgga 300
 gaaaatctga gttggaatgg tttgggtctg gtagaagaag ctgctcttgt tcttcacttc 360
 tactcttctt tgacaaaggt tccggcgagg aagagaccga agagtcattg gagctactat 420
 cacagctaaa cgacacatcc atcacgccgt ttgggctttc aagaatcgac cctattccaa 480
 ac 482

<210> 29843
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029b06d1
 <400> 29843

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 aaaccaaaaa tacaggatga tgaaatctca aaaagcaaaa acaaatggga atgtagttta 120
 agtacaaca aacaaagtgg ggtggcggt acaaatgctt tgcaaatttt tcacacttag 180
 aagcctgggg gcttgtaggc gatgaagctg atgcactgca cttggcgaac gttgtcgaat 240
 ccgatgatac ggatgaagcc gttgggggtat gcagtcttag cctcttgaag ctcttcaac 300
 acctgagaag catcagtga accaaacata ggcagcttcc acatgggtcca gtagcgcca 360
 tcgtagtatc ctggtgacct gttgtgctca cggtacacga aaccgtgctc caactcgaat 420
 ttcaagcaag gaatccatcc cttcctaaga aggtattcta cctcctttgc caattgtgca 480
 tcatcaaagt ctggcaggta ggaaagagtc tcaaact 517

<210> 29844
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029b07d1

<400> 29844

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 tggcttacca acgggccttt taattgaaac caaaacctg ggcttgggaa cctttttggg 120
 ccaaacacga cccttaagga coggacaggt accctaaagg gaatagggct ttgcatgcca 180
 aagggccaag tccaaggggt tgaaagccca aacggtaagt accgaattct ctaaacttaa 240
 gggtcacaaa agggctgcca coggagcggg catcccga gcatggtgg accctcaaat 300
 gggcccaagt ggggaccac tcagctggct ttcaaggaaa cc 342

<210> 29845
 <211> 384
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029b10d1

<400> 29845

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 agaacgcatg attgacctgc aatactggag atttcgtaat aaatagcata agaccacttt 120
 aacttatgcg taaggtcctt tagacaacta acatatgcca caaaacata tgaatattac 180
 agccaatggt aaatgacttg ccccataatt cacctatagt ttcagtcgac aggggtatac 240
 atgcagctct caggatactt cacacgagtc tgaggacgag ggagacgagt agccaagcct 300
 agctgatatg ccttggcagg tacacttgca gctatgtgag ctgaaatttt tctgatgatc 360
 gagaatggtg gataaatcaa gccc 384

<210> 29846
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029b11d1

<400> 29846

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 gcacaacatc ttcatttggt acacttttcc ttgctgtact gcacatctag tgctgtctac 120
 taggatatgc aatttcctat atcccggtgt tccacttttg ttcgttctaa ctctaaacaa 180

aagggttaatt gtgcactcca tatatactac aactccttaa aagctactac agactaaaat 240
 gatcaagctt ttgagtaagt aaataaagca accaaagaaa caaaattggt gtttcatatg 300
 atcatgtatt tacacaaacg ccccgaaaca aaactcaagt attatgcac aataatattc 360
 agcatttttaa cttccaaaaa aaaaaaacat gaggtactaa atttccaaaa ggcaaccaga 420
 ttgaacgtga ccagtgtact cctttgggct cacaagttaa gtccaagccc caacttttag 480
 atccaacaca aagcccacat g 501

<210> 29847
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029c06d1

<400> 29847

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 cattttttcc ctccagttgt tccaattcgt caataaattt gtatgaccat cgaggaactt 180
 ttttacggat ttcgtttatt ctaatacact ttgttctatt tccatttact attgtttttt 240
 cgttcaaadc agttctaatt gcatcaaata atatttttat tatttgtttt ttttcttctt 300
 cataatttat ttttacttgt tcatgttctg gaaataaaga aagtgcctca aaactcaagc 360
 ttgatactaa tttttttgaa aatttactga ttagattgaa aaaaaaaat gtcagtacta 420
 aagattttct atcaaatata tttatttttt tctctaattc tggataatta ctattatttt 480
 ttttataagt attattagaa ataaggtagc atgaatttta tttatcaaat ggtatttttt 540
 tttcattttt tcata 555

<210> 29848
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029c07d1

<400> 29848

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 aacaaagata tggcttcaag ttttccacca tacttgacag tgctttatga aaagtaccta 180
 acagccacct attgtctact tctattcaca ttaacgagaa gaaacaatac aatatcacat 240
 tcaaccatac aaaaatttag aagcttaaaa atttagacat ttgaccttca tgatacaaat 300
 acaggccaag accaaaccgg gcacaagatt tgcagaaagc aatttttctca gcagcagaaa 360
 ctggatcgcc aatggagcca tcaactgggtg atatcgctcc agttgactca cgatatgcct 420
 c 421

<210> 29851
 <211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029c11d1

<400> 29851

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 atgcccaagt caatcaacag atagaaaata aacagaagac taaattaaga cgaaaaactc 120
 aaacttaaaa tccaactata tttttcagta tttcccacct tgcttctacc cctgttgaaa 180
 gtaacaaagt aaagctgctc tgcaacaaag tagatctaaa ttacatgac aggaaacgac 240
 caacatagta aaattaaaga aagaacatag aataaaggcc tagagaagga ttaaccggaa 300
 caaaaaccag aagatataag catcttaggc agaaacccta aaacccttagga 360
 gtaaagcctg ttaggagcta accactgtga acaaaaccca atgagaaggg attggtgcta 420
 gcattctatg aagtaactcc gaccagccaa tctcaatata cag 463

<210> 29852
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029c12d1

<400> 29852

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acatcaaaaa ttgtttattg tcttttctag acaggcgaac tggttcgata acaaattttt 180
 cttttttcat aaatttgcta tttttctttt tccttaagcc tagaagaatt aaattcttct 240
 gattttgaat catcataata tctagaccta gttctcctct ttgaatagag gctattgtaa 300
 tgactcttaa attttgtaat ctaatcagga gacaatatac tttgacattg ttaaattttc 360
 tttgacctaa gaaattattc caatttaa atgtaaaatcaa aaaatctctt agtaagaaat 420
 taagtcttgc ctccaactcg tacttgactt ctttatcttt atacccttac tattcttttc 480
 actgtctgat cctacataaa tcgtttcaat tatcttttct tggtttgaga tagatgattc 540

<210> 29853
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029d07d1
 <400> 29853

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 ccaaatcaaa ctagctagat taaagctaca ctgagacgac tcctatcttc tgcaacaatt 120
 aataaacata ataaatgatc atcatgttac tcaaagcctg gttatttatt taccctaaac 180
 ccaggctgga agaaacaagc tggatcaaag ctagcacata cgagaaacat tcaaaccaaa 240
 gaatcaagct tctgtttgct gtttctgaga aaaagggtaca tgggatggca tgccaacata 300
 cagatgatgt tgaattagtt ggcatttacg agaacaggga tagccctgag ggactgatcc 360
 aagtccatgt cgatgggggc aatgttggtc tcaagcttcc agtcaaagtt gttgatcaag 420
 gaaccgagca tggtgtgcag catcctaacg gcgagggggg agccagggca aaatcgtctt 480
 ccgctccga cggcgtgagc ttgaa 505

<210> 29854
 <211> 531
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029d08d1
 <400> 29854

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 acacatttgc aagccacgaa gcaacatact caactttcaa aaatctgaca ataatgcagt 180
 caactaaaat tctgttctaa cacctcaaga aatgcaagag ttctgatatt aacttgaaga 240
 gcatcaaaag gccaccattc tctttggcat cgaaagtaaa atatagcaac tccagtcgta 300
 taccatacga agtttaaagt cttctacccc ttctaccact ctttctacgt gtactatccg 360
 aaggaatggg agtaacatcc tctatacgac caattttcat tcctgaacgt gcaagggctc 420
 gaagagctga ttgagcacca ggaccaggtg ttttggctct gtttccacca gtggcacgga 480
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<210> 29855
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029d10d1

<400> 29855

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 aatacgaact aagaaccatg cttttaatag tgttctgtgc tttctccaac cattaaagta 180
 cttaccaatc acctttttgt aactaagcct ttgctgaacc aaaatccagt actcagcaat 240
 gtttggcctt ccaattatgt actcattctc taaatccaag agttctaaac gagctaatac 300
 tggaacaagc atcacatcag ccatggtaaa ctcttgacct gccaaatgag gtgtttcact 360
 cagctgcctc tccacctcat caagcagtct aaccaaata tcttgctcc ttttcaaaac 420
 atctgcttct ttcaatttct cttcagtctc gtaggcttct ttcaacttcc tatggtaatc 480
 acttgcta 488

<210> 29856
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029d11d1

<400> 29856

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 accaccatca ccgtacattt ccaccggcga aactcaatc ttatgccgca acttccaatc 180
 cagcgctga catccacgtg aacagtaatt cactttgccg caaaccgaac accggcgaaa 240
 ctcgtgtggc cgcgtctccg gtcgaccgca cccaatgtgc gcgcaaagcc tcagtccttc 300
 ttctaatttc cccttacctg actcaaacca ctctctcaga aaccaattcg ccggttgac 360
 ttccggcggc gccacgctgt aaccgtaatc actcagcaac ggacacgcca gtgatgacac 420
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<210> 29857
 <211> 567
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029d12d1
 <400> 29857

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 actacaaaa cgagatttc tctcaatag aaatctaag cactacaata ttataccaa 180
 aaacacttta aaaaaattgt tccactcgtc ctttctgctt gttccttcaa tcccttctct 240
 ttgtgagcat caggtttacc ttactcaaa tcgcatcgtg cacatatgta gacggaaact 300
 gcattagtaa gacttaagta gctaagttcg gtgcctcctc aaaactcagg caaaagccag 360
 ttaaagggtc aatggttctg actctgcgtc cctatccttc aattgccaat cttctgtttt 420
 tggcttatcg gaaatcacca tcagtcgctt ttgcaagata caagccacca aaaggaaaat 480
 tgagcacatg ccaaacataa cagtgatagg gaatgcatca acattgtaca gcacaacaca 540
 cacaaaaatg ttgagaggaa atgcgga 567

<210> 29858
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029e06d1

<400> 29858

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attcccttgt ctaagggtt acactcctac ttctattcct tcttgaagca gatgaatgat  180
gatcaagtga tctatctaaa tctcgtcttc tgtatctatc actatgttcc ctaatatctc  240
taaaggaccg cctttccctg tcatagcttg agtaatgatg ggacctcaag ggtgacctat  300
agcggtgatc cttagaatga cgagcaggtg aataagagcg agaccttctc cttctccggt  360
aattgatagg agatcttgac tttgatcgag atcttccatg aggaggacag ggcgatctgg  420
acttctgctt tggctctttc tcttgagttc caactccatc aggattcaat tcttacttat  480
ttctgcagct cgggctgctg ctaactccgt ggcagatttc atggt                    525
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<210> 29859

<211> 456

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400029e07d1

<400> 29859

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tataacatat caaagtggcg tgcggaaaac acacaggctc catgaatatg tcccgaagagc  180
accatggagg aggaggagga gtcaaacaca acacaaatac aaattaaaag ataatcagta  240
ctactaggca gaaccgaatt taagagaatt cgagccaaat atcttagcta aatgggacaa  300
gagctgaaag acaagggat ttcttttagcc ctgaaccttc accacactta ctctccttt  360
tcagccttct tcagccaatt aacaaagggt tccagcgctt tcacaaaggt ttgcctgtac  420
cggttccaaa taagcagcag taagtagcat aacatg                                456
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<210> 29860

<211> 537

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400029e09d1

<400> 29860

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gtcccatata aaaacatatt taaggtaatt caaaagactt atttggtatc gatcgttgta 120
taattcttga ataagacagg tggaagtaaa gttcctataa gtttcatgga tctaactaaa 180
aaataagcat tccacgttca caaaaacaca tgtggagaca ctaaacaatca gaaacacctg 240
agagattgtc atgtaaactt ggattattgg gtcattgttt attgccacag ctttataaaa 300
attagacccc aaaggcaaca gggcttagtt gggatggca gcctccctcc cttccctggc 360
cttccatcaa aaaaggtct ccaaaccaaa aaccaatata aatgttttca tctctactc 420
ttccaatatt gctcccttct cgctgacata aataccatca agaaacttcc ggatatacctt 480
ggtcttaaca tgacattcct ggttaatgag agcacatgac ctatgaacaa gttcaat 537

<210> 29861
<211> 372
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400029e10d1

<400> 29861

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tccccatgcc atttaattac attggccctc atggatgcct tttacaggct ccttcactaa 180
tcatcatatg ggatctcacc agcagaaagg aaaatctatt ggctggctac aacaactggc 240
ggcccttcca ccttgaaagt cgctcccag atttcctcct cattagcagg aactggagta 300
atcttatttt taggattctc atagcacatt aatccttcaa cagctgtaga gtagaaacat 360
ccttggggga aa 372

<210> 29862
<211> 375
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400029e11d1

<400> 29862

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 taacaatact aaaacacaga ttttcacagg caaatctccc catattccat ttacccaaaa 180
 tccaaactat cgctaattca ctagttagat caatgctgac tagaacgttg tattccataa 240
 gtttccatga tccccgaggg aaaaacagga tctgtagcag cttaacagc aacttttgcc 300
 accgcagtac cattgacagg aggtgtcaat tgaggccac catgtgggat ctgatacaac 360
 ggtttaacca cttgg 375

<210> 29863
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029e12d1
 <400> 29863

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 ctacggcaaa caaatggaat tctattacat tatgaattac aagttccttg catggcatac 120
 atcaaggaaa actgggaagt tgttgatgtt ggattgattt gccacagcct tatatagaca 180
 aaccaaattgc ttaatatcaa cacaaacacg tgtacagaaa agaaaccact cttcaagaaa 240
 acagaaaata agaaaaacta acatattgga agaggtgcc cattccactc cccaaggcat 300
 tccaaaagtg gatcaatgat cttcccttgg cacaaagcag tgaacacttt gtcacactct 360
 tcaccggtg agataaccct ttcaccagtt agcaatgctg tccccaaactc ctctctcaca 420
 aacttgtaac aggggtaaga cctgcattcc ttgatcttgt ttggaattgc acattggtca 480
 ttctcatatg caact 495

<210> 29864
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029f06d1
 <400> 29864

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agatatataa accacatcca agtaattgag gcaagcatgt ggaactaatt tccaacaatt 120
 acttgatgcg gttttgatat gattgcaaag gagtatctca attcattcac ggagacaaat 180
 ttcctttgag gatctgaaac actcaaaatt tgagttgtcc ctcccaatca aattttctta 240
 gtacacaaga gttaggattc aaattcggca tgttttaaat acatgtagg caccttcatt 300
 taacgtcaca aaggtaataa aagaagccat gccatggcct tattaataatg gaaaagctta 360
 cccagagaca aggcgcaaatt tgcctcata acgctgtctt tgcgccttg ttcgtgccgg 420
 cacagacgac ataagttttt agaaaaagac aaaaagaaac tttgagcaca caaaggaaaa 480
 caggggagat 490

<210> 29865
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029f07d1
 <400> 29865

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 atcccaaaac tcaaatttcg gaaaatcaac aagcacaatt ttcttcagca gcaaaaaaaaa 120
 aaatctatac tttttatacc ctatcactga aagtaagaaa aaaaaactga ccctaataat 180
 aacaccatga tcatgattat cacataacaa cagatctctg cgccttcctc cgctcataat 240
 cagcatcatc agtggggaac tcatagcgac aaacgggaca cgtgtttctt atccccaacc 300
 acggcacaat gcagtcctca tggtaacgat gcgaacacgg caacaccttc accccttccc 360
 caacgccaaa ctcgctcttta caaacggggc aaacgacgtc agcttcgggtc acaaccaccg 420
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<210> 29866
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029f09d1
 <400> 29866

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 tctttatcta acactttaga ttacaataag cactactgta ctcagaacaa aatgtcaaac 180
 aaaagaccag ttcataaaca taaagcacat acaatgagca ttctcttctt cattcagcac 240
 cttccaagca acaactcttt cgtacgagac aggtcgcccc atgcttgaaa gacaaatacc 300
 accttgaaga catacaaaac cctgttgaat aatctgggga aactctgaaa aaagtatttt 360
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<210> 29867
 <211> 305
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029f11d1
 <400> 29867

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 aggagcgttt tccctttgga tacggttagg atggcaactt acaaaatgac cctggggcat 120
 ttagctcaat gaagggtgcc acggacattc caataacagg atcatgggaa cactaaagcc 180
 cctccaaggt tggcacattg ggatttccaa ccggatttcg cttttacgtc cgcttccatg 240
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 cggcc 305

<210> 29868
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029f12d1
 <400> 29868

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 ccatggcatt gcaaattaca acagattagg gctacaaatc cccacaaaag gttggcaaaa 180
 tgggatttcc tatgtgccat tccttttttg acagttacaa gagctttcca gggccaaatt 240

gccctgtgtt ttcaaagata tacaagggcc cttttagttt ctcgggcata aaccacgctt 300
 agtacaccaa agttatatgc caaacaaggt gtaattatgt tacatctcaa tcgaaccatt 360
 ggaaactgat gtatc 375

<210> 29869
 <211> 319
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029g05d1

<400> 29869

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 aaaagggttt taaaaccggg tttgggggga aagcagcccc ctttagccca ctttccaaaa 180
 tttggggccc accccctttt cccccaaggg ggggccccct tcctgatccc tgggggcacc 240
 aactccccca acgggggggc cacaccccc tggggccatg cgggaaaaaa atggggggca 300
 aaagcctccc aaatcccta 319

<210> 29870
 <211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029g06d1

<400> 29870

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 agcgggagta gaaagaagca acaaacctta aatcctagca aggaaaacta aaaagctatt 120
 tacataagtt gttaatccaa acgagcccaa tcatttgcaa catgtagatt atactttcgt 180
 gccaaacgat gagcagtttt gtcagccata atgccctcta tcactttaaa ctttttgtaa 240
 tgcaccttaa ggtctcttc ctgctgcttt gctagcttct cttcggcttc tagtagcagt 300
 ttgtcaagga attctacttc tgcagcatgt ttgcgagtta gattctttac ttcctttgcc 360
 agctcaaaat caggatcact aagcttcaac caacgggatct tgatctttct ggtaggcttt 420
 aatggttgat catcaaacat ttcccttaca gcaggccag ccc 463

<210> 29871
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029g08d1

<400> 29871

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 agcaaaaggg gggggccgat ttttcaaagg ggcccctttg gcccctaaat tccctggaaa 180
 gccttttcaa accaaaaccg gtagccccta ccccggccc tgaaaaaagg cccccccccc 240
 ctttatttaa atgaaagggc ccccttttat gggggccctc tcaaaaaaga cggggaatcc 300
 cgaccaatg gaaaaacccc cctcggggca aattggtttt tgaaccccc ctttgggtcaa 360
 aaagaagacc cctttcccga acttt 385

<210> 29872
 <211> 339
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029g09d1

<400> 29872

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 aatcaagtca tattttgaga aaccacacaa tcaaatcatt ttactttggc cgaatcaact 180
 ttagcgggaa tgtttccatt gccagccaga gtctcggagt tttggggtcg gattttttgg 240
 gcaatttact tagctttgac tgaaagctta ttacaatggc aactttgaac tcaactgaga 300
 agggacccgc ttaagttggt ggaccggtca aaaggggag 339

<210> 29873
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029g10d1

<400> 29873

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 aatctatatt atatgcaatc ttatggtagc ccaaaatgca aatgcttgga ctaataaaac 180
 aacaacgcta gccctagacg cagcgtccat agataaattg ggtacccata aaatgggtctt 240
 gctttcaagg aaacggttac cagggttagt tacaggatca actcccatga gttcatgaag 300
 cacgtgatga ttcattccat agagttatga ctggcaaaca ccaagggccc gagtttcgga 360
 tgcatcacca gtcaccaatg gtacatgaa agccgctgaa tcacggactt tatggcaata 420
 aaatactgca gtctgaaat ccagaccatg a 451

<210> 29874

<211> 416

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400029g12d1

<400> 29874

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 taaagctaatt ttacacagat cgaaacgtga tttgaaatgc tcctgctatg gcccaaaaga 180
 aataaactta aattcctatt gacaacataa ctagctgatt aatgccggag tcctcattag 240
 tgacactttg agctccagcc atgagtcatt gttcgcgtgt gttacttaac agcttcaaaa 300
 ttatcaactt actgttttagc ctgtgaatag aggaaggcgc caagaattgc aatggcagca 360
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<210> 29875

<211> 551

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400029h06d1

<400> 29875

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 ctttcttggt gctaataaaa tctttgacaa tggatgatcat gatcactaag taattatcct 180
 attcaattag tagctgggtga cgaatggcct gtaaaacttta agatcatcaa ttaccccagc 240
 aatggaacct gctgcagcta atagagtaac taccaagcat gcagcactaa gcatttgtag 300
 gcatatccat cttggggcccc actttggtat cttagcttga gttatataca tctccactgg 360
 taaataaaca gcgagggggcc aaaatccaat ggctccaata agccctacaa tgtcattgaa 420
 gaatggctcg agcatggcta tcacagttga caaaatcaca aaaattgtcc ttcaaaccac 480
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 tataaaaaata c 551

<210> 29876
 <211> 554
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400029h07d1
 <400> 29876

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 tttatccaat tccaaaaccc aaatagcaaa ctaccgtaag cttaaataaa ataggccaac 180
 gccagacttg aaacaaaata attttataaa gcaaatgaag aaaagaaccc caccctgtat 240
 gaaagaatta agttgaacag cacaatgttc ttgttcttgt ggttgtaata atgatgaaca 300
 tataacagta acagtaaaat ccttattctt gagcttcaag ttactctggg atgggcttgg 360
 tcttggaact gtagaggagt ttcttcttct tggatgtttg gttatctatg gtgagtacaa 420
 tcttgccagg ttcaccaatt ttgaaagcgt tggtataaac ggtctcatca gcgggaccca 480
 atttctggtt cttctgaact atgacagtgt aaccatcttc agcgccggga acaaattcag 540
 caccgtagct gaca 554

<210> 29877
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029h08d1

<400> 29877

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tttaagtaca aacaaacaaa gtgggggtggc ggctacaaat gctttgcaaa tttttcacac  180
ttagaagcct gggggcctgt aggcgatgaa gctgatgcac tgcacttggc gaacgttgtc  240
gaatccgatg atacggatga agccgttggg gtatgcagtc ttagcctctt gaagctcctt  300
caacacctga gaagcatcag tgcaaccaa cataggcagc ttccacatgg tccagtagcg  360
tccatcgtag tatcctggtg acctgttgtg ctacgggtac acgaaaccgt gctccaactc  420
gaattccaag caaggaatcc atcccttcct aagaaggat tctactttct ttgccaattg  480
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ggccaca                                           547

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<210> 29878

<211> 484

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400029h09d1

<400> 29878

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attatccttt caccctcaaa ggcagacatc aaatatgatt gccaattaaa attgaatggt  180
actattctgt aactatttta gcagcttgcc cgtaaactcat ggtgcagctt cttagcagta  240
tatacctggg aatttgttca ttgcctactc cactttcaga acaatcttca tgaactcata  300
gacaaagaaa cttatggaag ctgaaggaag cacctgtaat aagctgggaa taagtctctg  360
atagagagct ggaatgcctc cctgttcaac tattttggca aatgttgcaa aagaacttaa  420
ttttgtagcc tgtacttgca attgaagttg ccttctcacc acttcaaagt ggtatgtagc  480
agct                                           484

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<210> 29879

<211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029h10d1

<400> 29879

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 catggtacat ggaggctcaa aagaccactt ggcaattcct aactaaacaa caccttgcaa 120
 atataaaatt ttagatcaaa tgactattga acacacaatt ttaagtgggtc caaatctaga 180
 gacatatgac tgtgttttca tggtttccag aggatggtag tctctgcgat catggagggtg 240
 actacatagg gatccatatt agaagcaggc cttctgtcct cgaagtaacc tttgccattt 300
 ttctctgtgt ctcttccaac tctaattggag cttccacggt ttgccacacc ccaagagaag 360
 gtgttgatgt ctgcaggttc atgtcttccc gtgagacgtc tctcgttgac ttctccatat 420
 gctgcgatgc gctccttggtg cctcaaacca agcttttcaa tggccctctt gatcacctca 480
 t 481

<210> 29880
 <211> 436
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029h11d1

<400> 29880

caaaggaagt taaactctca ataaaagcac attaatacag gagcacagat gttgaaagcc 60
 gtgatatacg gcagtttttg ttgcgacaca ctaaaatata cctgatcaca agttcgatcg 120
 ttttttcaag tccataaaat ggcatattgat ctacgcagct acttcttctg cacattatag 180
 agctaagtgt gctaggcaat ggctgtgcta ggatcggatg ctgctggatc accttcccag 240
 atggttgtct acttcccagt tttggaaacg gtcggaagaa ctgtgtctgg ctggacattt 300
 cccttgagta ccaccttatg ttacttgaaa tcaatgtgat atgattccac accatgcaag 360
 tgtcctaaga ctgctgttac tgetccaaca catacttgac atgacatacc aacttcgagg 420
 ctacagtctg agacat 436

<210> 29881

<211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400029h12d1

<400> 29881

aaaaaaaaa acaatttaat ctattaaaaa atggaggaaa aacataaata cttcatgatt 60
 atgataatca gtaacgaaag agaggataga tacacatgcg aaagtcaata aattgtgaaa 120
 aatcctcgat acacttgtct ctccctaggaa ttcattctaa tgtagcacta atcaaaaccc 180
 atgatcgatg aagaatcaca tgctcctctt tcttcctttg aatctcatca gggtagcaca 240
 aaaaaaaacc cataaaaatg acccgaaa 268

<210> 29882
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400030a01d1

<400> 29882

atctgcagat tcttgctaaa tgaaacaaaa cgttattctg caaaggccaa taaacagcca 60
 tcaaaataaa ttcgaaagca aagtcaacat agaatacaat caagtttcag gtttgaccat 120
 tgttttttcc tccttatcct aaatcaaaac aatgtgtcaa ggtctaacaa aggataaata 180
 aaattttaca tctaaagtaa cgcttcacga tataagaaaa aacaaaaatg aaaacagAAC 240
 taagattggg ggcataaaat gatctattga tgtgggaact ctgtctacct ccttttgctt 300
 gacaacctga attctgaggg aattgtagtt cccttcatcc taaccagatc cgacaatgat 360
 gttgctaatt ggaatgaaaa tgagcttcac gaagaaaccg acgaatccca tcacgacgaa 420
 accaattgca gtacggacgg caaccttgga gaattctntg cgatcggggt tgtggcaacg 480
 cttcacgag 489

<210> 29883
 <211> 585
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030a02d1

<400> 29883

gttatatgaa atattatgat gtgtagttta tacttttaaag catccacaaa ggaaagaaag 60
 aaaaaaaggc ataatgaagt gtgaaaacaa aaactaaaat ccaaattgat acaacaggaa 120
 aatatgatgg aggggtgtatt tattgattta ttttctttct tctatgcctt ttgttggaat 180
 caggcaaaca tgtcagagag gggtgggagc tttatctctc ctttctgaga aagaggaatg 240
 gtgaagttgc caatgacagg aaggtaata actagaccaa gatccaattg gtaatcaatg 300
 tccaatctg caccaatgtc ctttgccaag ctgagtaata tgctatgagg caccttcaact 360
 ggcacatcca gcattgttgt gtcacttgcc ttcagtgacc ctgggtcaag tattgtccct 420
 gatgctatct ccttgccagc acttttgagg gagtacttga tctcaciaat gggaatggga 480
 gtggaataag gggtggaaac agagacctta gccaaatact cgacgctgtc gcgggtcacg 540
 cgcttgaaat ccacgtcggg gacactcgcc tcgggcttgg catgt 585

<210> 29884

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400030a03d1

<400> 29884

attctagatg gattcttaca cgtagatacc acatttttgt tacctatata atattttcca 60
 caatataacc acaaactctaa taaaaccaag acatgcataa agttggatct aaccggacag 120
 tactactaca acacaagtca tgtggtgcaa taagaataac gttaaggcca catgctagtc 180
 atagagctca cagcattatt actattgatt ccactattga aatcgctgca aggaatatta 240
 tccaagtttc caagcccacc aagaggtgaa ttttgtccac taactgtaat tccacctcca 300
 tatgaagcat catcattccc acggacggtg atggttggcg aaacatgtgt catgcggtgt 360
 agattatttg tggtgagttg aggtggggtg tttagtgaac tctgattttg aagaatctgg 420
 ttgttgatag gggtagtgt gccacgagt accatatact cagctaattt caccttagct 480
 ctcaaagctt cgacatctga ttttaggact cggttattcg tatcagcgtc acgaaatt 538

<210> 29885

<211> 576

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030a06d1

<400> 29885

cataaaaaat atgaagtttc tatttaagga aaaaaataga tcataactaat aatggaattc 60
 tcatctcatt ctataaacat tacaatgtgg taactagaac tcatattcta agcttctttc 120
 caggtgttgg ttcacatca taatgggttac cccctcacc attcgtgtcc ttttccatct 180
 tctttctggc aagtatctta ttgatcttgt gcaaatcatt attgagcttc tggtccttgt 240
 tttgctttcg ggtcttccgg ccattcttgc tcttcacacc gaactggaat gcagcttttg 300
 gcattgcttc cttctgctca ttgtaagttg cccattcctc ttcagtttca aagtcccatc 360
 tatgaagacg accctttgcc cttccacca tgtccatttt ggacaagtcg tcttcatcat 420
 cactgtccac tatctcacgg ttatattctt gatatcctgg gtaacattca gagtaactct 480
 ctgagatgaa gttgggatct ttttcacgag catctttctc ccttcagctg tgaagtctct 540
 ggtcatctcg cttaaact gatcctaaac cccgat 576

<210> 29886
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030a07d1

<400> 29886

gcaacctctt ctagtgcagc tctcgccaat cgttttgcaa ttcctattct gggacttctg 60
 gagatgattt caacagccgc ttcacagtt aaatgctccc aaagtccgtc tgatgcaaag 120
 atcaaaaaca gatcatctgc cttcaattta cgcgccaata tcgatggttc agctgtcatt 180
 acaggtctcc tcaagtatag tggacatata aattgttggg acagaggatt agtgtcaaatt 240
 tctggcttct ttaggtaaac atctcctatt gatcttgaga cctgaataat gcccttgatt 300
 cgccaaactc cagcagtgca aaccacaatg tgtggatcat cagggtgaag agcttcaacc 360
 tcctttctaa cattctccac tccaacatta tgatcagtgg acaaacgctc tgccaccaca 420
 gcaccagcac cacaattcac ctctccttcc aacgctttcc gacccaaaac cgccctcgaa 480
 tccccgagat tagcaacata aaagactccc ttttgaatcg ctcccagaag acaacacgaa 540

cccacggaag c

551

<210> 29887
 <211> 502
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030a09d1

<400> 29887

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 acacacagaa cagatcctca gcttcgaaac acagtcaggg cgctctctac ataaaccctt 120
 tattaaggaa aaaaaaaca aagtgaactc acgaaagcac gatcaattac tattaagttt 180
 accgaaccga aaacggcgcc gttttggatt caggtcttgg aagcttcgag atctgcagct 240
 ttctgaagaa gactattggg atcatcctcg aggaccatgc ggatggggaa ggagccgagg 300
 ccgtcggcga tggcgagcat gatcttcctc atctcatccc ggaactcgcg gcggtcgacg 360
 gcgccgctcc ggtcgccgctc gaacttgctc aagatggagt cgtagagctt cgcgagctga 420
 tccggcgcg tggcgacgct gatgccgaag tgcgtctcga tgaggcgcat ggactcgaag 480
 gccgtgcgga gctccgagcg cg 502

<210> 29888
 <211> 382
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030a12d1

<400> 29888

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 ccccaaaaaa aaaaaaaac cccctgcccc caaaaaaag ggggccaaag gccccccaga 120
 aggggtgcca aaaaaaaaaa acggtccaaa aaaaaat:acc cggggggggg ggaaaaaaa 180
 aaaaccccc cgggggtccg ggggggggaaa aaaaaagcg ccaacaaaaa aaaaaggggg 240
 gatcccaacc cggggggggg gggggggccc cccccccg ggggggggcc cccccccac 300
 cccggggggg ggggaaaaaa aggggggggc cacaaaaag ggaaaggcta cgggcccccc 360
 cacaaaaaac caccgccggg gg 382

<210> 29889
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030b01d1

<400> 29889

accaagccaa ctttcttcta ttcacgtctc acctcaccat ttattgtgaa agcaaaatga 60
 ggggactctg taaagagaga gagaaatgat aaaagcacat acatagaata tacttaattg 120
 acatagttag caaaactctc tttcacaaga cctaaatgat atataaaagc gtgcacacac 180
 atatatatat atggatcata atcaagctaa agaccacttg acccaatcaa cttgggttagc 240
 ccaaaagtaa tagccatggc tagccacccc ccaagcaaga ctctcacaca agacctaaat 300
 gttggagcct tacccaacac tgccccaac caaccaaaca ccacaagagc taaactcact 360
 gctcccaaaa tcacaccaag ccttacctta tagtccctta taaaagaggc tgcaaggaga 420
 ggcaccaatg caccaactga aaatgcaaga gctgatgctg cttgcacatg tatagggttc 480

<210> 29890
 <211> 527
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030b03d1

<400> 29890

ggtacatctt aatgtctttt gtccatcttt ctctaacttc tcaaatttct actaagccaa 60
 aaaacttagt tctcaaacta cagaacaaag tttaaaaaat aaaatagaag ctagttagt 120
 cgtagattac aaagaaaaag aaacaacata atctaaagat caaatgctt cccaccataa 180
 tctttaaaaa ggatgatgtg gctacagcac agcttttgct aattattatc ataggaatat 240
 gtaggctaaa gagcacaaaa tggaatcctc cctccccata tgagtcctac ttcaattaa 300
 gcactttcaa gcttcaataa attctatcat tgtaagtttt gcaatgctct attcattcca 360
 ttcaggagaa cattgccacc ttattagtaa atcacacaat caaggaggca acacaacttg 420
 ctgacacaga atgagatctg aaatggtctt tccatgccga tcaattcgtc gagaacagtt 480
 gacaccacca tccagtatgt tccataaac aatgtttaat gactgga 527

<210> 29891
 <211> 376
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030b05d1

<400> 29891

ggaaaaataa gttgccactt tttagaggct ttaatgatta aacaagagaa acatttgga 60
 accatggatt acatcaaacc aagggaag gaaacaattt gactaaagcc aagcttacia 120
 atggattaaa ttttgggacc caaaagagag gctttgatgg ggcaaaactt tgacgtggcc 180
 ggggattaac attagcagtg ccaccagctc ctggttttcc tttacttctt gggcctcctg 240
 aacttctctc accttgggct tttcttggag aattaagaat ttttttttg gaccctctt 300
 tagtttctc aactttgtcg gtcaacctta ttgactttt tatgcttcca tataacttcc 360
 caagaagttc ttgggc 376

<210> 29892
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030b06d1

<400> 29892

caaaaggtaa tactttttta tttattttac tgtaaatagt gaaggaatcc aaacaactgg 60
 gcttgagagt acggaaaaag ccataaacac atagaagaca aacagcggct actacaaaaa 120
 cacaagatcc caacatgagt cgaaaacaca tacacgcttt aaataggccc gtgagcaaac 180
 caactgtctg aaaactcctg gatatac 207

<210> 29893
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030b08d1

<400> 29893

agcaaagga aacatcccaa aattgaaatt actgtcaata atgaagtttt tctaataaca 60

gggcatgaat gtccagaaaa agccatcagc acattgaaga caaacaccag ctactacaaa 120
 aacacaagaa cacataagga gttgatatca tagacatttt tcaaatatgc ctttttgcaa 180
 atcaactctc taatcattcc tggatattcc taaaaacgta ttcttattgt ttcttttgct 240
 cgccactgtc ttcaactcct atgctcttca atgctttcaa ctttctgtag cctatatcag 300
 tcccaaatat ccggtccatg taagtaaaag ttgatgaata gttcccagac ttggtgtaca 360
 ataaacggtg atgatagtca tggaaatcag ctctccata caatggaagg aagttggaaa 420
 gactccatgg gaaatggtaa ccacaatgag cctcaactgt ctctaggact ctcagaacca 480
 tccataacca gaga 494

<210> 29894
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030b10d1
 <400> 29894

ggaagctata gaatatttac tagcttaaaa cagcatttt agcgattctt tcttaatacc 60
 agcagcttaa agtttctatt aagcgatcag atcccaggac tccttctctt tctcaaatga 120
 cactacctga actcaaaaat actcggatga gtaaggagga actacagcca cccctgttg 180
 ggactctgat gtaccgaacg cttaatcagg tgcaatggc aacaacgca ccttaccgtt 240
 cttcatagtc aatacagctc tatcacgtcc atcaacaact tggttcctaaa ccgttttgaa 300
 ttcaaacagc ttctcttctt aatcatggcc ctgtattaaa aaagcggcac catggtgtag 360
 cttaccatt agtttcactt taacaatggg cccctcattt ggacgctcat gtccttcccc 420
 ttacttgagg atcttcggta tgacc 445

<210> 29895
 <211> 157
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030b11d1
 <400> 29895

gaacacaata gagaatctac taatggaaag caagacttgc actattgaat acaaataccc 60

agccatttca tttttcacia aaaaggaagg ggcccaaaac tacgaatgat tcataaacgg 120
 cggtacataa ccgcacaata acggggaggg ggaaaga 157

<210> 29896
 <211> 157
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030b12d1

<400> 29896

attaatggaa agcttgactt gcactattga atacatatac ctttaaccatt tcattttttca 60
 cataaaagga aagggcccaa aaccaggggt gattcatcct ctgcggaacg gctctgggca 120
 atacggggag ggggaaagag gaagtcaacc aaccacc 157

<210> 29897
 <211> 430
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030c01d1

<400> 29897

aaccccaaac caaacagttt tattcatata ataggaagct cgagtttata tcatagtaga 60
 tgcatttggt ttttgatgt ctcaatctc agacttgac cataaccaa gtacattgat 120
 ttttatttag taagtacttt tacttagcat cttctctgct ataatttttt agggtttttt 180
 tttaaaaact ggacagcaac aatcacccca cacacacaca cacacacatt tatatattgg 240
 cctctctgag actgagttgc gaattctgat ctggaactcc aattattatt attagcacia 300
 agtcaattt cagtccttcc tcttggggca agtttcgttg tcgctctcgc tgcgctgct 360
 gtcgctgctg gtgtcacctg ataagcgatc cttgatgttc tgcaacatcc ctttcttggg 420
 ctccctctta 430

<210> 29898
 <211> 445
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030c02d1

<400> 29898

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 acaaaaatct ctgaacaaac tatccaactc cacagaattg caggtgaaaa gggggggaat 120
 agatggtatg tatgatatac ttctcctgaa aatgtggggg aaaacaaaat atccaaaaga 180
 aaaaagaatc aaacttcaag tagtttagtt gtgtaaaggc tctgcggaag ccgggaagga 240
 attcaatgta gtatcatctt gtttgatga atcttctgta gcagcttttg catcagaatg 300
 ctgaagcttc ttgtcactta atttagaagg agatgtctca ggtggttgta catttgataa 360
 ccccttggtg agaggagtat caagtacatt catagcaggt gaggtcaagc catagttctg 420
 agggatagtc aaaactggat gatca 445

<210> 29899

<211> 598

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400030c03d1

<400> 29899

cttgatctc acgttccaag ttctcaatct gaattttgga gccttcaggg tcatttacag 60
 attgctccat caagcgcttc agagtgctgg tactgaaagc aatatctccg gctagcattt 120
 tgacttgctc aaccagtaga tccttctgat cagacattgt catcccacc actgtcaatt 180
 ttgttctact tatcagttca ccagcttggtg ttgattcagt aacagtactg ctagctgggg 240
 agaactcttc attccatcta ctagatgatc ttttatgtct accatcatga aactgatctg 300
 atgacactgc agaagaatct ttctgactct ctttttcaat atcctctcg ccaacagagt 360
 gacttcgctg atgggtggga acatcagtta gatatccagg aattgcattc tttgaggaaa 420
 ccagaatgag tttggttagc ctctggatcc tactcataag agcagccttg gcttctctct 480
 cttcttccaa tcttgattgc attttcaact gaccttcttc taactttngc ttttaagtcaa 540
 aatctcctca tgattgacac caactagcat ccccttctta gttgatcagt tctacttt 598

<210> 29900

<211> 369

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400030c05d1

<400> 29900

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aaaaaaaaac aaacaccccc aaaaacgagg ggaaattaac ccaacctgtt tttaaaaaaa   60
agaaacccac cccattgccc ggggtttttac ccccccaaga aaaaaccgtg cccccctttt   120
atttcccag agaaaaacaa acgcgataa acaaaccata attccccctt ttttgaaaac   180
ccaattttcc cagggtggcc ttatttttaa aaaaaaaaaa ccccccccc ccccgggatg   240
tttttttttt ttacaaaaaa agggggggga aaacctggc ccccccggtg tacaaaaaaa   300
cccccttttg ttgccccgat ttttgggtct ttttttgaga agaggaaaaa ggccccctcc   360
ccccctttt                                     369

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<210> 29901

<211> 170

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400030c07d1

<400> 29901

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aacaagaaaa cacacttata ctgaattaac aggaaatagt gaagcaatac aaacaacagg   60
gcttgaaagt acgtaaaaag ccataaacac atttaagaca aacaccggat actaggaaga   120
cacaagatct caacatgagt cgaaaaaaca tacacgcttt aaataggccc   170

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<210> 29902

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400030c08d1

<400> 29902

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gcaaaaggaa acattcttta attgaaataa caggggatag tgaagaaata aaaacaacag   60
ggcatgaatg ttcaaaaaaa gccattaact catttaagac aaacaccgga tactacgaag   120
acacaagatc ccaacatgag tcttaaaaac atacaggctt tacattggcc ctagttcagg   180
aaagcctgtc tgcaaaactcc tggataaacc taaagagggc ttaacaatgg ccgctttcga   240

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tcgccacgtg atgaaagatg catggctctt caat

274

<210> 29903
<211> 422
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400030c09d1

<400> 29903

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gttataatgt tcctgtaaag gaataaaccc aaattagaca tgcactgat tgtatggagt 120
gacgagatct caacacgaac catactgaca cacatgaact atatttacc cttcagcaa 180
tgcccatccg aatctgctgg agctaaacta tgcatacttt agtaggaccg cccacgggtgc 240
accggtatta caaagcatgg ggctggaaat gaattgtgtg actagaatcg ttctgtgttc 300
ccggatattg ccatggatat tgttgcaaga gcaggaccaa tggcctcctt tgcgtaaatg 360
atgctgaac gctcgacga gacatcaaac atttcctatg ggacatggac gacaagctta 420
ca 422

<210> 29904
<211> 211
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400030c10d1

<400> 29904

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gcttgagtgt acataaaaag ccataaacac atataacaca aacaccgat actacgaaga 120
cacaagatcc caacctgagt cgaaaacaca tacacgcttt aaatgggccc ggtacactac 180
cggctgtctg gacactcctg tataacccta a 211

<210> 29905
<211> 469
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400030c12d1

<400> 29905

aatcaattgt atatgatatt ttttgatat ttataataat tggcaggaat tttggttaata 60
 taattaaagt ttagtttgat gtgaaggtag ctgtaaacct agggaaagga ctatttttaa 120
 ctgccttctg accatacttc cgccatctgt agccatcctc aagatgatca acttcactct 180
 tggtcataaa tgcaaaccgt ggctgccgta ttcgcttttg ccccttggtt ttacctttac 240
 tcggtatctc aggcgggtta tcgtcggaga cgggtggattt ctccggtgga tcctcgctgg 300
 agctggaaga aatcgattgg ttgttcgacc gcgacggcgc ggcggcgacc ggttcaatcg 360
 aatcggtcag agaggactga accggcttcc acaatccgtc gtcggtgccg atccggttcg 420
 gctggtccgg ttcgaggttc cacacgaatt ccctgagtat gtcctcgctc 469

<210> 29906

<211> 474

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400030d01d1

<400> 29906

ccattcaaaa tcttccggga agaaagtgga ataaaatttt tccagtgtta ttattgtgtt 60
 tctccccggt catacataac ccctacaaca gaatccagtg tttcaaacag aatatcccc 120
 accccacatg agaaaatatc taaagatata aattttgaca cataacataa cataactgca 180
 gttgtattaa ataatccaat caaaatgaaa tcatcaatag caaaaacaga aaaaacctct 240
 tctgatgtaa ctgcagacag tgctggtaga tcaaggaaag gggggaaatg atgccagaat 300
 ctacttaata tattgagaga ccattggaa gccatctcca tatcccatct tgcgtacaat 360
 gctgcacatg aacacttcta gaggccgaag gttcgactcc gtgaggttga cctttccctt 420
 cccgtggtg aaactggtca ggcctagatg ataacgtagc tcttcttctg atgc 474

<210> 29907

<211> 476

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400030d02d1

<400> 29907

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 aagtaatata atctatacac aaattaacaa tgagtagtgt ccactccaaa ctcatctcac 120
 tctcatttga aggccaaagt agttgaaata tcttgtctac ttgttgcttt ctttattaag 180
 aattttttga aagattcaag aatggaccgg ccaagaatct cagccaagga atgctcaatt 240
 tgtggcagaa gatggtgagc cagaggggctt aaaagcagct tgttcagcac aggagagaac 300
 ttcattaggc cctgcctctt ctctgccaac acccaagaga tcaagataat aaagatagtg 360
 tgaaatgatg ttgttcatgg cctcattatc tgatccctga ccacaagttt gatccccata 420
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<210> 29908
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030d04d1
 <400> 29908

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 atctaacaag taattaaact taaatcaatt aatcaaaaaca gtctaggaca gtttaaattgc 120
 aattttaccg ccattgcaaa acattgaaag gttgctttta aatgccgaat acccaacatt 180
 ttcgaacttg gggtcacaaa aaattattta acaacgcaga ctcaatcggg ggtccttttg 240
 ccgggatctc aaaacagcaa aaagggtgac aactaatggc aattgcctca ttggttcata 300
 aggttgggct cttctccaaa tttgatatag ctatgtacaa caatctaaca gggtaaacac 360
 ttttgaacag aactcggggc tccaatagtt ctgataaaac accccttatt ttgtcaacag 420
 aaacaggtgt taatataagg gcattcatac caac 454

<210> 29909
 <211> 216
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030d05d1
 <400> 29909

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ccttgagtgt ccataaaaag caataaacac atataagaca aacaccggct actgggaaga 120
 caaaagatcc caaccgaac cgtaataaca tacacgtttt aaatagaccc ggttcagtat 180
 cagctgtctg aatactcttg aatataaact aagcct 216

<210> 29910
 <211> 170
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030d09d1

<400> 29910

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 cacatgaacc aaacctgagt ttaacacacc aacatgcttt aaatagaccc 170

<210> 29911
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030d11d1

<400> 29911

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 cacctgagct cagcctgagt tgaaaaacca tctatggttt aaatggaccc ggtacagaaa 180
 cacctgtctg aataaccccg gatataccta agcagcattg gcatgggcgg ctttcgatcc 240
 t 241

<210> 29912
 <211> 171
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030d12d1

<400> 29912

ggcatccaat tgatactgat cggctttcat agcagataaa agtgaggcaa tcgaaaggac 60

ccctcttcaa cgtatgaata agactataaa cacatgttat acaaccggcg gttcctggga 120
 tgacactggg actcgacatc acttttaaac cccgcccagg attagcctag a 171

<210> 29913
 <211> 572
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e01d1

<400> 29913

aaacgcaagt atctgcttct ctgttttgga cttttaatgt attaattgga actcgtgcta 60
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 tttatcaaag aacctaaact ttatattact gccatcaatt attaagtgat cattgcaata 180
 gatattacca taatcattca ctactacata tacaagaaga accttgaacc actggttagta 240
 gtttctaacc taccaatgca cttttttggg tttgttacca ccatacaaac ggaagaggct 300
 gaaagcagaa atacaagaca tgaccaccat gctaaggcta gccacaaaag cactagctat 360
 cccctctccc acttggttgc agaatttccc atacatgttg catatcttca tccattgcag 420
 ctctggctgg ccaacccttg caatcatacc cgattgcctt gccgccgtca atgccaccac 480
 tgttacatag gccattacct gatcaccaga aaaaatggcc aagctagggg cttgctgaag 540
 agtactcttc cctgatcat actaaagata ca 572

<210> 29914
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e02d1

<400> 29914

cgaaaaccat aatgtattat aacaagatcc taaacataaa gccagaacga aacctcaaag 60
 aaaatccaaa attgacaagg ttttcatatt tgttatcatc cagaaaagaa atcagatata 120
 ataattaata aggtaacatt tatcttcaat aaaaactgga aatcaaagct cacattccag 180
 taaaagcctt ctttgcaccg ctagaagatc cagctgggat cactttcaac acattgaacc 240
 tcacagtctt agaaagtggc ctgcattgac caataataac gtgatctcct tccttcacac 300

ggaaagcagg tgatatatga gcaggaatgt tggagtgcct tttctcgtac ctctggtact 360
 tcttgataaa atggagataa ttcctcctaa caataatagt cctgttcac ttagcactgt 420
 gacatgttcc agccaagata cggccacgga tggaaacatt gccagtgaag gggcact 477

<210> 29915
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e04d1

<400> 29915

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 gctagagtgt acatataaag gaataaacac atataagaca aacagcggct actgggaaga 120
 cacaagatct caacatgaat cgtaaagaca tacatgcttt aaattgaccc gagacactac 180
 cggctgtctg aaaaccctg aattaaacta agcc 214

<210> 29916
 <211> 200
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e08d1

<400> 29916

aaaggaaaaa caatataatt ttatttatgg gggagggtga acgaatcata ataacattga 60
 tataaagcaa acaaagagg atataaacat tgaatagaaa ctttttattc ttaaaagtca 120
 atggaaccat tcgtgccttt tactaaacac caggcttcaa ataggcccga ttctatatca 180
 gctctctgga gatacttgga 200

<210> 29917
 <211> 195
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e09d1

<400> 29917

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cggtccatat aaaaccatat tcacgggttaa tccaattacc tatttggtat agatcggtat 120
 accaatatcg gatttgaaag gagtaatatg ggtaaatt agccgcatgg atcctactaa 180
 tatagtagca tttta 195

<210> 29918
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e10d1

<400> 29918

caaaaaaaaa cactttata cttaatttac agaaaacagt gacgcaataa aaagaacagg 60
 gcttgaaagt acatataaag gcataaacac atataacaca agcagcggat actacgaaga 120
 cacaagatct caacatgaat cgaaaaaaca tacatgcttt aaatgggccc gagtacagta 180
 ccggctgtct gaaaaccct gtataaacct aagcct 216

<210> 29919
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e11d1

<400> 29919

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 gattgagtgt acgtatcacg ccataaacac atgttagacc cacagcggcc tctaggaaga 120
 cacaagatcc caacctgact tggaaaaaca tacaggcttt aaatgggccc ggtaccaac 180
 cagctgtctg aaaactcctg gatat 205

<210> 29920
 <211> 210
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030e12d1

<400> 29920

accaacagac ttgataatag agagggaagg caggaaaata atctaccgtg aaagcccgca 60

aaagaaggaa aacacttggt aacaagacgg ctgtgcctaa gaaaacacct gatcccgacg 120
 gggatttata ccggtatac ggtttagata caccgcgtacc attgccaccg gtatgaacgc 180
 cctagaatat ttctaggtgt gccaaacctt 210

<210> 29921
 <211> 173
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030f05d1

<400> 29921

aacatggaaa cacacttata ctgaaattac agaaaatagt gaaggaataa aaataacttg 60
 gctagagagt acataaaaag gcataaacac atataagaca aactgcggat actaggaaga 120
 cacaagatct caacacgaat cgtaaaaaca tatatgcttt aaataggccc gag 173

<210> 29922
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030f06d1

<400> 29922

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 tcaccatc ctacttaaac tcgtccagac aacgctgtgg aaacatttc tttctcatta 180
 acaacctatt taatctccat ttggttacct atgttaaagc ttttaagaag cccttcacaa 240
 actcaatgta ttatcactct ggcttgatg aatcttctgt ggcagctttt tgca 294

<210> 29923
 <211> 215
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030f10d1

<400> 29923

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gtcttgagtg tacgtataaa gccataaaca catataacac aaactgcgga tactaggaag 120
 acacaagatc taaacatgaa tcgtaaaaac atacacgctt taaatgggcc cggtagacta 180
 ccggctgtct ggatactcct ggatataacc taagc 215

<210> 29924
 <211> 214
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030f11d1
 <400> 29924

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 tcttgagtgt acatatcaag ccataaacac atttaacaca aacagctgct tctacgacaa 120
 cacaagatct caacctgagt cttaaacaca tacatgcttt aaatggaccc ggtacactac 180
 cggctgtctg aaaactcctg tatatgaact aagc 214

<210> 29925
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030f12d1
 <400> 29925

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 tacatgactg gttgacacac agctgaaaca acataaagtg aagctgggtgc ccctattaga 120
 acgcatgtta ttacatatag atagatagga gcaagctcta ttgttgggag gtgaaggaac 180
 tactgaatgt agtacagggg attaggaagc ttaaaggtcc tgctttggcc tttgtggcct 240
 ccgaggagat cgttccattg gtctccaatg atcccaacaa tgttgtatcc ctgccttacc 300
 agattctctc tcgctgctga tttgtatgaa actgcatttg gagtggacgg atcttgtgga 360
 tccttgagaa ttaatttttc ccatgtgtgg ttgccagcct tctttaagtt tgcttc 416

<210> 29926
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030g01d1

<400> 29926

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tctccctaac atgctttggc actttcttat cagctgcttt tttagccttt gaatcattct 120
tctttggttc aattacctca gctttatctt ctgctgtttc atttcttggt acagttcctg 180
ctactgctgc tgctgctgct gctgccgcgc cagctgcctt cttctccttc tccttttctt 240
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<210> 29927
 <211> 566
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030g03d1

<400> 29927

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aagcttacia aggaagagga taaaagaaag actccaaaac gttccttgta actaatggat 180
aggcagtagc atttggcatt tgccaaaaaa accaacaatc gtaacttttt actccaatct 240
aggacatata taacaaagga aaaaaaaatc acgagactga gcattcatta attctatgaa 300
atgatcactt ggcagaaaga agactctagt attctctacg gtggcaaaaa aatatagcca 360
caaagcattt tacaccatga gatatgaaat atcaggcatt gcaaaaacc aaggcagtcc 420
agcaaccatg tatttacttg ctggacctcg tacaacccaa ggacattagg acaatgacaa 480
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accaaaactc cccagtagag catgaa 566
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<210> 29928
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030g04d1

<400> 29928

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 caagtcagca ctttaagcaca attgccaaaa tcatgggtga tacaacaagg catacatatt 180
 ttgttaggaa acaaatcact gttctagagc taaagttggt taatcataga tatttactat 240
 tactactact aatactatca tgtgaatcca aataggcatg tcaagtatct ccagatactt 300
 tccagagtgc ttctttgatc atcctcggtg gtgctgttgc tgctcctcga cacttagatt 360
 taagtgccaa tgtgagaaca ccataacttg ttgatgattc aactgtttga gcactctaat 420
 gtacgttggt aatgggtgtcc atgatgtcat accgtatgtg ttccctggaa ggacatttca 480
 tctcaatcag aacctgctgt tacttgacat tgac 514

<210> 29929
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030g05d1

<400> 29929

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 ttttaagcca attttttcag caaggaatac aaagaaaatc ccaaaagctt gctctctttg 180
 ttttgattct tatttccata caagcaaaac tccaagctga cagatccggt gcagaatgac 240
 aaaaaagaac atcctccaga aatacccaaa gacttcttaa acttctcaac ctccaaatat 300
 acggtggaat aaggaaggaa ctctgagtaa tgggtctctg tcagatcggt tatagccact 360
 gccagtttgg ggatttttaa gatttcttca tgggtcaaag acctcacata cctggctgga 420
 tttctgccc aaagttcacc ggctggaatt cgctccctg gtggaactac t 471

<210> 29930
 <211> 141
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030g06d1

<400> 29930

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 acttataaga caagctcctg attttatgaa gacacaagat ctcaaccgga atttttaaca 120
 catatatgct ttaaatagtc c 141

<210> 29931
 <211> 211
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030g07d1
 <400> 29931

cacaagaaaa cactttttta cttaatttac aggggatagt gaagaaatta taagaacttt 60
 tcttgaatgt acataaaaag ccataaacac atattagaca aacaccggct tctaaaatgt 120
 cacaagatcc caacctgaat tttaaaaaca tatatgcttt aaataggccc ggttcctac 180
 cagctgtctg aaaaccctg tttaaaccta a 211

<210> 29932
 <211> 198
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030g10d1
 <400> 29932

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 tcttgagtgt acacatcaag ccataaacac atttaacaca aacggcggct actaagaaga 120
 cacatgatcc aaacctgtgt cgaaaagaca tatacgtttt aaatgggccc ggtacactac 180
 cggctgtctg aacactcc 198

<210> 29933
 <211> 571
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400030g12d1
 <400> 29933

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aacgaggaaa aaaaaaaaaa agatttacag aagcttatat attacagctt aagtgaatgc 120
 caaaatatac ctattaaggt cgtcgtccac tactactacc acttaatgtg aggcagcccc 180
 tcacagattg gcaattgttt tcataaaccc tttatgcatt agatatactt atgaggcttc 240
 tctcctaaat ggtaatgaca attttacaag aaacaaaata tatgcacatt atttttggga 300
 tgtcaaacct ctgaacaaaa gcacaccaac agcaccaatg gccagagtca gaagcagggg 360
 gacggcgacg gattcagctt cacgcattct tcctgtatgg tctggctctc ccaggcgtga 420
 cctttctcca aagtattcat gcaaaagatt gctcagagtg tctagttgat gcatgattng 480
 acgttggcct cgtgcaatca ctaatacctc ttccatcagg ggagactctn tagccaactg 540
 agaagatgat gatgaattag gtggcaatga t 571

<210> 29934
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030h01d1
 <400> 29934

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 aggtccaaat acaattggag tggctcttaat tattccaaga agaaaacaaa acaacaaagc 180
 acacataatt ttattactgg tttattgata gatatttgat aggaagaagc aagtgcagag 240
 gaaattaata ggtgtaggtg ggttcattat agatttagac cccctttgct gtccactgaa 300
 atttgtgggg tttgcgattc atgttcatgc catagggatt ggcatagcga gtatccccac 360
 caccacagct atgacgctga tatctcattt catccacctt agccgtgact ccaccaacat 420
 gctcctctgc ataagac 437

<210> 29935
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400030h02d1
 <400> 29935

002230-ETFE60

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gcacagtga ggcaaatata catattagtt cttcactctt ttaaatacaa aatgcttaca 120
tttaggatca gtttttgtgt gaaattgtag tagatccttt gttaaattgtc tttctaacaa 180
cattaggagt tgcttcagca gctgcattat cactaggagc atcctgcac catgcttcct 240
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gagaaagtta cgggtgcagat agaggaattg gctttacaga actttgaatg cgctggaaaag 420
ctgctcttac tctttccttg agaccttcgt tttcactctc aacttcccca ctttctttgt 480
tgagcactgc tacattccca tcaatgttaa ttatcaattt ccc 523

<210> 29936
<211> 433
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400030h03d1

<400> 29936

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gttaggaaac aaatcactgt tctagagcta aagctgttta atcataaata tttactatta 180
ctactactaa tactatcatg tgaatccaaa taggcatgtc aagtattccc agatactttc 240
cagagtgctt ctatgatcat cctcgatggg gctgatgctg ctccctgaaa cttagattta 300
agtgtcaatg tgagaacacc atcacttggt gatgattcaa ctgtttgagc atctaaatgt 360
aggctgttaa tggatatacat gatgtcatag agtatgtact tccctgtaag gacattgcat 420
ttcaatcaga acc 433

<210> 29937
<211> 553
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400030h04d1

<400> 29937

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gatcaagttc tctgtttcaa tataagtaaa ccttggtgca gaggagttga tttatcctct 180
taaaccttac tgctacatat ctattgtgag gaaattatat aaaattctat attaccattc 240
tatattttat atttattttc atttaatttc cctcaaagaa aataaacaat tcacttcaaa 300
attccaactg aaaaatgact aactttatat tgagagggtg tcccattaaa acaacatttt 360
ggctcaccct tttattctag gaatgcaggc atcaagtaca tttagccaaa tacgcattcc 420
atccttgaag acggtattca cgagctgcct cttctggatt tactgctttg atgatgccac 480
gccccacaat gatgatgtca ctgccctat catggaccac ttttgcanat ctttatctta 540
agcaggaact ttc 553

<210> 29938

<211> 580

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400030h07d1

<400> 29938

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tcaaaagcaa taacataaat aatcttacag ttgctgacca gtgggctaac atttgccggg 120
ccaacatcag attttatgca actgggcca atttatttaa aggcttttgg gtctggatgc 180
acccaatgta acatgtgggc tatcatagat tcaaattact atttgtcatg ggcaatttct 240
acttatagaa ttccattact cctaacgtag atgagatgtc actacttgct acatgaaact 300
tggaaaaacc agagctcttg cacaagttct caaattcctt ctgagttctt tcccttccac 360
catgtgctaa aaacatgaca ttgtcgagag tacaagtatg cttagatata tagcttggat 420
tcgggacttc tggattata tattcgaaaa caatcacttt tccatgttgt ggcaaggctt 480
tgtgaaagtt tcttaaaaac tttatacaat cttcatcagc ccaattgtga catacaaact 540
tcactaaaat ggcactnacc agtggaacac tttaaacata 580

<210> 29939
 <211> 421
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030h08d1

<400> 29939

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 tcaatagacc caaacctgac tcgtacaaac atctacgctt taaatgggcc cggtacacta 180
 ccgcctgtct ggacactatc gtacaacaca atgcctgctt cacatggacc ggtcagaatc 240
 ccagggttaag accgaacatg ggtcttacat tacaccgggt gcaggatcac gttctgtaca 300
 aactttatcc ccttcgagat acctcgtaat gcactgttga actccatgcc cggcgtaaag 360
 ttaccccaa acaccctacg agaccttggt ccttgcgtct gtcaacctga ccctctgtta 420
 c 421

<210> 29940
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030h09d1

<400> 29940

aacacaccta tactgaaata acccacaata gtgaagcaat tcaaacaacc tttcttgagg 60
 gttcataaca cgccataaac acatttaaca caaacagctg tttctaagaa aacacaagaa 120
 cccaacagga atcgaaaaca catatacgct ttaaataagac ccgagacact agcagcggtc 180
 tgaaaactct cggactaacc aaagcctggt tcgcatggac cgc 223

<210> 29941
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030h11d1

<400> 29941

aaaaaagcac actgcatatt catcaaagca tcatcaaagc aactgcata ctaacagcac 60

acgtacgtag aaaggtgaag ttccaggtct tgcacaacat acacaacaca ccataattta 120
 ttttatatac aatcttatgg tgcccaagat gcagatgcat ggactaatta aacaacaacg 180
 ttagtctgat aggcagtgtc catagataaa ttgggtaccc ataaaatggc cttgcttcca 240
 aggaaatggc aaacaggggtt agttccagga tcaactccca tgagttcatg aagcatgtga 300
 tgattcattc cagaagtatc tgagtggcaa acagcaagtg cctgagtttt ggttccatca 360
 ccagccacca atggaaccat gaaagctgtt gtttcacgga ctttatggca gtaaaatact 420
 gcagttctga aatttagccc atgacacatc actgctttgt ctccaagatt ctgcactcct 480
 tccacagtgt attgctcttg cttattgac 509

<210> 29942
 <211> 559
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400030h12d1

<400> 29942

gtataaacca cagtatgaaa cttgttatta tataaaaggc agtatacatt gaacttgttt 60
 attattcttt tcctaataa ttaagagaaa ttacatctt tccgggaaag cttttgtaag 120
 tagcaccaca tgcagagtct caaagtcaaa actcaaagtc aacttatgaa tccacgcaa 180
 agaacttaaa cttttttgag aaactccatg acgtaggtat tgaaagcaca gcacaggact 240
 cggaaacctt ggaatccaga ccctttggcc agagcctcaa actctttctc tgttctctct 300
 ttcccacctg gattatgtgc caacatgac acatcgatgt gaaccacacc ttttgtggcc 360
 aagctagagt ctggagccac tggaagaatg cattctgcca caattacctt cccattgtct 420
 ggaagtgcct catagcagtt cttcaaaaac ttcaagcagt gtcacact ccaatcgtgg 480
 caaatccact tcataaaaat agcatcagct tctggaacac tgacaaacat atctccaccg 540
 acatgctcca ctcttgat 559

<210> 29943
 <211> 589
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400031a01d1

<400> 29943

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aatgaagaaa aatttattat aaagggtata aggtcttcta agcgtataaa tagatttaat   60
ggccagtgcac caatataact tcacaccatt taacagaata tggttctagc attgatccaa  120
cacgtttaaa aatatagtag gtcaaggact cccaaataaa gccattcaag tttgaccaca  180
tcttgtaaga aagggtacaaa ctttggctga tttagtatac aaaccacat aaaagtgaaa  240
aaataataat aaatactatt tatcatctca gtttcaactt ctgctttcca gatattcaac  300
tgacacaact ctattacttg gggccaatgt ccttaagggc acaaactctgc tctctcccca  360
tggaagacat aacagacaca accagatctt tgccctcagc aaatccatcc ttgatctgcg  420
aaagcagatt ttcatcggtt ggaagcctaa ggtcatcctt agtaccacca gtctcagtca  480
gcagactcac aaatccatcc tctgagatgt caatgagctg gtagtcaatg cgaataacat  540
ggngaacatc acagttatgg gaagatggga caatattctc agctttttc             589
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<210> 29944

<211> 470

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400031a04d1

<400> 29944

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ccaaagaacc ttcaaagtgt ttcataatct tttaaagacg acacaaatag aaactcaaat   60
atacagggag gatacggggt gtaagaaaca ccggtaaatg tgcaattact caaagggggg  120
tcgatggggc tatgggtacga atgtttatct ggaagctaca ttgattacaa atgactaaga  180
aagaataaat ataataggat tcatgaagga gcctcatgta aatattgatc gttaaagtga  240
tctagatgta gaactaagac ctatgccagt gactcctgct gcggaagctg aacacttcac  300
ataaaaattt caattgctca aacttgtctg aatagaagtt atcaccggcg atttgtgatg  360
cgtgggtctgg tgcagaaaac acggtcattg gccctcacia atgctgctat gccgatgcta  420
atgccccgcc acagtagcta aaagaagaag tgccggaaat catatggaac             470
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<210> 29945

<211> 505

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400031a05d1

<400> 29945

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gacaatgcat ctatttagtg ccaaaactat cacattgtat aagagtcatt tgaagctaca   60
aaagaaacag ccctttttcg accgtaagag aaaataaatt aaaaaaaaca cacacacaca  120
acaaattcca atataaaca atgaaacaaa aatctagaat gtgttgagaa atcaaataaa  180
gtgcttacag gcagagcagc attcaggggtg aggtagctac tttggctttt cataagccac  240
accaatcttc aacaccagat aagggaatc ttaatctttc ttctcctgag aatcctggat  300
cattgttgga gcacccaccc tagagcttga gcaatctcaa ttacccgaac gctccagtga  360
aaaaattaaa agaatatgtc ctagcttcta aagttgcaaa actccatttg acttgactcc  420
actagtccca ttgaatccat cattcagatc tccttctcaa gtgctgggaa acaggaatcc  480
cttcgaagaa gtccaaaaca gcata                                     505

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<210> 29946

<211> 508

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400031a08d1

<400> 29946

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gaagtcagaa gttcacaact gcgattgtta aaagcaaac acgcgtaa atctcatata   60
aataatttaa tgatcaatat ttatcgccag caagaatggg gtcagcccac tgattgaaaa  120
aaacacaatg gagacatttt acatgtgcct taatttccag caaaaaaaca aaagaaggaa  180
aatgatcaga agttgttggt ttaatctcac ccttgataa gtaatcac ttctgttgtc  240
tgtcctgcaa agcatttact gatcaagcac caaaatattg tgatcaatga gcagatgata  300
atgttagtca gtcacttggc accggaactt attcatgggt ccagtgggtg gatgcagtat  360
agcaatatga aggagacaat gtagaacgcc atttttatgg aaattttaag tcacaggcag  420
aagattggca atcattggga agcagttaca gacttagagt gcctggaact ctcacagcct  480
gggcagttat gtaagctctt atgaacgt                                     508

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<210> 29947

<211> 607
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031a11d1

<400> 29947

aagcacaaaa gacgtggata acttgatatt attttattac atacatgcat agatagcctg 60
 ctctcaaata agtcggcagg aacaaagata gagagattca acgatcttca aatttcacat 120
 ttgccagaaa tatataacag aaaagagggg tatgggatat gagttaagtt ttgatcacat 180
 tcaactacac tatcccaaac cgttactctt aagactttga acttcacttg tactctagga 240
 tcatgttggt ctcaggagct aatccaacac aagccctcag gatgttttcc agcatagctc 300
 gctgctttga caacgcattc accactgggtg taccgggtgg aaccagaggg gccttggtca 360
 ggtaactaag gatgggtgca actgggtgga atgagtggaa ttttccctca ttttcagctt 420
 taaactcgat tcgagtgtg agctcagcaa gaaggaccaa gtccaagata ataggagcag 480
 cttacagtga atcctcacat gtgttggtgca acacaattgt gttctttcca cccatgaata 540
 tttcagaagt gtactcatcc atggcccctt tgctgtcccc tacataaggc acgtacttaa 600
 tgacaac 607

<210> 29948
 <211> 574
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031a12d1

<400> 29948

aggaaaaaaa tttagtatcg gaatcagctt gggaaatata gacaaaagtt aataggttta 60
 gaattttcca gtcaaacaca ataaaataaa attaactatg catgaagatt taactatgca 120
 tgttttacta ttagttcctg caattttctt tttgcttgta tgcataaaag aaatagaaga 180
 cacattcaag tattcaactt cagccgtgtg caccaccccc acggtcagac acaaggtaat 240
 taaaatgggg gtgttgaaaa cttgttcttc caagtgaac aaacatttta gagacgggaa 300
 gatgattttg tagaccttgg atctttacta tattcataca caccaatacc tcgttttctt 360
 ccaagtcttt cagcatcaac atactgcaca agtagagggc aaggtgcata tttgttggtca 420

ccaaggccag catgaagaac tctcattatt gacaagcaca catccaatcc aatgaagtct 480
 gcatgctcta aaggacccat tggatgggta gtaccagct tcattcctgt gtaatattcc 540
 ttttggttgc aacacccgtg taaagagcaa aaat 574

<210> 29949
 <211> 357
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031b01d1

<400> 29949

gtggggggttg ggggggaagt ttttaaggggt ttgagttata caggggaaaa agggaaaaga 60
 agaagggggg caagggggca aacccgggac gggggggggg gcaaaaggtg cccggggggg 120
 ccgggggggg ggggagaaaa aaaggggggg ggggagaaag ggaaaacaaa ttaaccaagg 180
 gtggggcaaa aaaacaaaga aggggggggg gggggaaaaa aaaaaccggg ggaggcggcc 240
 ggggggaaaa aaaaaaagg gggggggggg gaaaaaaaag ggggggggga aaaaaagcc 300
 aacaagagcg gggggggggg gtccccaac tgaagaggaa gggggggggc gccccgc 357

<210> 29950
 <211> 565
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031b02d1

<400> 29950

gacaaaaaat atataactta ttgaatatta ttcactttca ccaaaatctg tcattaccaa 60
 ccagtaatct gatttcatgt ctaacagaaa ccctataaac caatagtacg tcactttaca 120
 acaatttgct cctgaattat gtaaaacaaa aataatttgg ataattgtatt cttattagtt 180
 taaaaacctt aaaagcacac tagtgctatg ctataatcat atcgctatac agatgtcacg 240
 cttattttta tgaggatcgc aagatctaac atacaatttg gttacaatgt ctctagtggc 300
 tagcaagtct catcccatca tctcctttgg aaattgaagg atttaattgc aaaggcaaat 360
 ataattgcaa aaaatatgca gaagccagcc accataacag cagtaacgca caagaaatca 420
 tgctgtacc caacacgtgt ttgagtacct ctcttatagt catcgagttt ccattagaga 480

gcttcactaa atgagtatca ccaccatact gtgaaagtag gagaccatac agactccagg 540
ctacaggggtt tgcccagtaa tacca 565

<210> 29951
<211> 477
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031b03d1

<400> 29951

tgcgatcta gaactagcgg ctcgtgtttt ttgaaagaaa agtattgatt gctttttaa 60
gcattagcag gtgccactca atgatgacca gtcactacta taggggtgtgc agaagaagca 120
acgggtgggtcc acgattatga tgatcagaaa tcaacttgatc cgacggcaga tagtgattcc 180
atcaccaacc gggagcatgc aaatctcgat cctgggggtcc acagcgaggg ctttgttgag 240
ctccagcacg aagtcctgt agtacctaac atacttcta agaggagcat caggggggtgc 300
caccacagat ccgttcata ggggtgtgtc gtacccgatc acgccccaa cttttacaag 360
ctctatcaac ctcttggtgt agttgaggta gttgtccttg tccgcatcaa caaagatgaa 420
gtcatagctt tcatggttct tctcatcttt aatcatttca tcaagaactg gtagagc 477

<210> 29952
<211> 442
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031b05d1

<400> 29952

gaatataaag aaatcaatta tgtactagaa acaatgatct cacaataata ctactcaa 60
cataaacgca atatagatcc agaaatcaac atatgtagta ataatctcta catagcaata 120
tcaatatata tagagagaga gggagggaga gagagagaga gagttatata ctaatgctgc 180
tcaaactctc gcttctacta aaaatccacg catgtaaagc agaaaatcca tgagctacgt 240
tcagatccgc agagcagatc cgaacgcaag agcggctccg gcggcgagaa caccggcgac 300
gaaggacggc gaaacggcgg cggcgggaga cgtagggctc ggagctggag cttcggcggc 360
ggagatgacg gcgacgagca ccgacattac ggcggcgaga aacattgcct tggagaaagc 420

cattggtgaa tatggcagca ac

442

<210> 29953

<211> 533

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400031b07d1

<400> 29953

gatcaaacca aatcctcctt agcacaacca cattcattat attacagaga gttggcatgc 60

acaattgcac cataagtgcag agaggctgtc taatgccata catacagaga gaggcaatgt 120

atctgtgcct gtgcctcccc agagttttta ttattattat tattattaaa ttgggccagg 180

agtatgtatc ttagcaggag aatacataaa gcttaaggtt tctcccaatc atgagatata 240

cattataata caagattaag ctggaacagc ttccggcact ttgccattgc ttgagagtac 300

taagctatca tagtattcaa ccagtacctt ccaaccacca gggcacataa atccatcagg 360

agggctttct ttgttccttg ccagtgtgag catctttgtg cctgatatga acaggaagtc 420

ctgaggcctt gaagggtcaa agaatgccat tttaccctga gtcttgtcat atgcagcaac 480

cctgaaagga agaaatgtta gacgctctag tcccggtgcc atgctcaata ctt 533

<210> 29954

<211> 516

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400031b10d1

<400> 29954

aattgattaa acaaaattta tagaatccaa taaaaatagc atcagatcac atgtctttga 60

tctctaattgg gtaaaatata tagagagaaa atgagcacia ataatacttg ccaaataga 120

taagaacctg atgacttaac agagaacaaa cattaactca tcagagtaaa tcagcaacat 180

ttgatggcag ctcttttaca gtcacattgt agaacttctg aatatcagac agcatcctgg 240

aatcatctgt cgtgacaaaag tttatagcaa ctctttttct tccaaatcga ccactacgtc 300

ctatgcggtg gagatagttt tcagggtggg ttggcagatc atagtttatg accagagaca 360

cttgcgtcac attgatacca cgggccagaa ggtccgagggt aatgagaact cgagaagagc 420

cggaccggaa ttcacgcatg ataatatcac gtgtgtattg gtccatgtca ccatgggtgg 480
canagactgt gtggtcattg cttegcattt tggttag 516

<210> 29955
<211> 451
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031b11d1

<400> 29955

acaaaccagt agttaatatg aatatataag attggtctgg tggatgaatga cgaaggggaag 60
caagccggag agagattgca ggttcgaatc ctttactaa caatactaac aactatttgc 120
cgataaaaag ataaaacagt agttaatata gttatagcat cacacactac actgtcattc 180
gctacttcac aattagtggc ccattactaa caagagtaat taagaagtat cttgagcaac 240
aaacacaaac agaagaaaat tgataactga actcacagag tcagagttca aagagccacg 300
gcaactccta ggtcaccacc gccatgaagg ttccagaaaa cgttgcctgc gtcacgagac 360
ttgccggtgt caatagcaac agcgccaaag attgctcgga aggcgcgcga aacgacggcg 420
ggggcggaag aatttgcatt gggcgagacg c 451

<210> 29956
<211> 539
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031b12d1

<400> 29956

acccaagtcc catgctattt aaggcacctc cacaatccac ataagtaaaa ttcattatac 60
agtatacata ttgttgatgt ttgggtgaga gggggtgcga attccaaata ctctgtaatg 120
atgcaaagtt tcaaacataa catgaaatgt gtccgattta ctcatcgctc tcaagctaag 180
tcctgataca caggactaac ctcaagctga tctgcgaatt tctcgaggat attcttcaca 240
agttttgccg gctcttcttt atctaattcg gcaccatctt tttcttgtgt tatttcagca 300
aaaacagcgt cataaagaag aacaactgct tcatcagctt gagctagcgg taaacccaat 360
tcctttgcgt ttctctcaag gaagctcctt attatttctg tgctccctag tccatccttt 420

gcttcccgtt tttcctgcaa tgccttcttc caacgggtgt taattcctgt tcattggcca 480
 atagccgtct tagcttagag ccattaatga ttcgaaatatt ctggatggaa acaacattc 539

<210> 29957
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c01d1

<400> 29957

gccacttcaa ccaaaggggg aagccacgag tcaactgccct tgcacattgt ttagtacag 60
 tacttttaat tcatgaacgt tttttttttt taaagggacc ttattattct taagaccacc 120
 ccaaaagaga aagaataatt tgaacaatat tgccactaat aagggccttc aataattttt 180
 ccttttgagg ggtatacggg gggtagcctaa tggtagaatc tgcattaaaa cttttataga 240
 gaactgactt cctgtggctg aaactatcaa aagagaattt tccatgggaa caaccattc 300
 cacttttttt aactcctcca aaaggcaacc cagcagttgc aacatggatg acggcgatc 360
 tgatgagcat cctccagaa gatattctat ccacataatc cttcttcagc tgctcattgt 420
 ttgtgaagag atatgcacca agagggtttg gctttg 456

<210> 29958
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c02d1

<400> 29958

acaattggcc cataaaacca aagggggaag cccacacca ccgcccttgc ataataaat 60
 agggcacaac tttaagacg ggctcgcaag aaccattccc caagctccta ataggccttg 120
 ctacctcca atcaaaagca gcatatggta agcaaaattg aactaaaaa gggccctcga 180
 gtgcctattg cctattggtg aagccaaggc ggaacctaaa ggctctattt tataacaaac 240
 ttattaaaag aacagtcata tctgcgggtc aaacaacttt 280

<210> 29959
 <211> 574

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c03d1

<400> 29959

aagaacttgt cgtaacaata ttataactct cgctaaaaat aggtcaaata atggaggtcaa 60
 ccagcacaga aatgctctac aataactact gttaaattatt tgcaactata acttcaattc 120
 cgtgctgtgac ttgtatatgt taattataca tttggcattg agatccaagc taagtcaaaa 180
 atcaaagtct aataacatat acaattgggtg gtaagatttt gcaatttaca tattcaccat 240
 gatgggaatt gagaagaaaa tttttaccca cagcgaagtt tccaatgggt cagtgtccta 300
 gttttccttg aagattacat ttataaatca tggaagttcc tgaaaagtca atttctcaca 360
 gcattttttt catgttcttt ctattttcaa atcctttgac cataattttg actttggtat 420
 atgtatttgt tgcttcattt caatataccc atttatgaag tagagcaagt agagacaaaa 480
 tcatcaccca agttgatgtt aaaccacaag caaaagaaat gtagttgaaa ccaactaaat 540
 ggactgttcc cgttcgtcctc tccctcactt taat 574

<210> 29960
 <211> 377
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c04d1

<400> 29960

gggggggggaa aaaccccaaa tcacgggttt taaatagggg agaaacaatt attacatttt 60
 ttacaaattt ttacacaaa ataaaagata cattgggtttc tgggggtgcat aaactttatt 120
 ccaaaaattg cttttttgca tttggggggg gcaaaacaat tgggaaaact ggggtgaaaa 180
 gaatatacca aactggcttc atttgggaaa tcagcaacta ataaaatgac tcaatctaaa 240
 gcatttatta ctggatccac aaccttttgg ggggggcttg gccctccaaa aacctttggt 300
 cggcatttgc cctccaaaat gacttttttc acagcagttt ccaaacgggt agcaaatgca 360
 ggaaactgga gatgcct 377

<210> 29961
 <211> 422

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c05d1

<400> 29961

aacaaaaatc agcccagggtt aatttttaaag gcccaggaac ttattttaccc ccgctttttt 60
 tacaggacca aacctttttt tcaacttgggg gctaaacccc aaccttaatt atttccaata 120
 caagaaaaaa acaagttccc cccgaattta atttaataaa agacaaaagc ttggtccccc 180
 agaagcctgg ttctgcattc tctccaagaa catttttatt caggggtggg gtaacaactt 240
 agttccctta ccccttcctt tttttgggct cgacaggggg ttccttaaaa aaccaaagcc 300
 tatttggttt ttaccgggca caattgccaa agagccgggg ggttggcttc tatcaggggg 360
 ccccgaaagg agacttttgg gacttggcag agatttttcg ggttcaaatt gaagaagggg 420
 gg 422

<210> 29962
 <211> 146
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c07d1

<400> 29962

cgattaagcg aagttcttca tataacaacc acatttataa catcacagaa aggtggccag 60
 gataaaccca ccatccgggc tacaagatga ctgatgccat acctccacgg aaaagcaatt 120
 gcttggaccc agagacttct catagt 146

<210> 29963
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c08d1

<400> 29963

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 cggcattaaa actctcaaaa aaggtagatt cagtcataac ataacatgac atccgcatgc 120
 tgagatttaa caaaaaata gtctaataga agaaatcaca ttcatacata cattgaataa 180

cacttatgtt caaaaaaatg gattcaaattc aaagcaagtgc gcagcaaattg tagatacata 240
 aacataatct aaattaaata ttcaatagga agagtgccat cagaagagca ccagcacacc 300
 aaaagttgcc aagacaaggt tggcccagat tccatagctg atgagcttgt gagaagagga 360
 gccatcatga gtggatgatg gagatgatgc tttgctatct gcaactgtgtt cagttggaga 420
 atcagcagca ggggcaataa taggagttgg tgcacgagca ggtgcaggag gtatattaat 480
 gccaa 485

<210> 29964
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c10d1

<400> 29964

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 cggccttaaa actctcaaaa aaggtagatt cagtcgtaac ataccatgac atccgaatgc 120
 tgagatttaa caaaaaaata gtctaattga agaaatcaca ttcattccata cattgaataa 180
 cccttatgtt caaaaaaatg gattcaaattc aaagcaagtgc gcagcaaattg tagatacata 240
 aacataatct aaattaaata ttcaatagga agagtgccat cagaagagcg ccagcacacc 300
 aaaagttgcc aagacaaggt tggcccagat tccatagctg atgaacttgt gagaagagga 360
 gccatcatga gtggatgatg gaaatgatgc tttgctatct gcaactgtgtt cagttggaga 420
 atcagcagca ggggcaatat caggagttgg tgcacgagca ggtgcagga 469

<210> 29965
 <211> 573
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031c11d1

<400> 29965

atcaacttctg tttccttctt ctcttcgccc acttcaactt ccttcttctc ctccgtccct 60
 tcaacttcct tcttctcttc cgccacttca acttccttct tctcctccgt cacttctgct 120
 tccttcttct cctccgtcac ttctgcttcc ttcttcttct ccgtcacttc aacttccttc 180

ttctcttcag agacttcttc ctctctcttc tccagtgcct tgagttccgt tttcttcttc 240
 tctggttctg gtttgggagc agttagctca tggttgttga gcgcttcttg aacaagcctc 300
 ttgagctcat caagggtttt cctctgcgcc tcggggaggt cgccaaccac gttggtctcc 360
 tccttgaacg aaaccgattg ggaaatcttg tcttctgcac cactctgggc cttctctgct 420
 ttgccacca cttcttcgat gctttttgca tttgcttcaa cttcagcttc agcttcagct 480
 tcagattggg aaatcctgtc ttctacacca ctctgggcct tctctgcttt cgtcccaactt 540
 cttcgatgct ttctgcattt gcttcaactt cag 573

<210> 29966
 <211> 164
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031d02d1

<400> 29966

attcaacaaa catttaatta ataacaagga caagtttaca tttttttttc caccttacat 60
 atgtacaatt gcaagcaatc gcacggcttg agagtcataa tattcacccc tccattcttc 120
 ttcatgctac aaattatatt atatttaatt cccacatttt tggt 164

<210> 29967
 <211> 553
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400031d04d1

<400> 29967

gaaaattacc ccttgctagt taggtgatga tatattcaaa ctctgtattg ataatcacat 60
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 tcattcatca caccctttgt ggcagtagaa acatggagag aaatcataga attagtatta 180
 acaaatacca ataatgctag aaatttccat taattaggaa aaaagaagaa cttattatca 240
 agtttgaaat tgcataagag attgtaggaa ctagctagga acaaccataa cagactacaa 300
 atagcagatg cacacacatg catacacttt taaagatgga aaagtatttatt tgcttgaata 360

gtaaccaaag atggctttga accggttaacc gctatctcca agagggct

348

<210> 29970
<211> 86
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031d07d1

<400> 29970

aattgttggt ttttttttat ttttaggagt actgacattt taattgggtg gaaccggtag 60

ggcaatgccc gggggcaata catgaa 86

<210> 29971
<211> 479
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031d09d1

<400> 29971

gaaagcccat ttccaattta aaataaagct ctaatgacca gcacatagcc atgatttgta 60

aaaatccagg acccctcttt aaaaaagtta tgactcgtgc ccaaatagaa aattcctttc 120

caaccatgag attactatcc caagaaaaaa aaacatgaaa aaaaaggaaa ttctgattta 180

aaggccaagc cctggccact cagtcattgta ccagtattgg gcagggctgc cattaaggaa 240

ttgtaagaag actcaagatc aaagggaagc tgccgtccct gttgttcagc caacttatca 300

gctgcacca tcttgataa ccccgaatc cactccttca tttagggttt ccccttaaaa 360

tcaggtggca ggaaaggcaa ctttttgagt gaagcataaa ggtccttgac aacgggtgcc 420

cctgatccac agcccccatg ttaagtttca agaaacctgg gagttttaaa attttgac 479

<210> 29972
<211> 388
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031d12d1

<400> 29972

gggcttcatt atggatgagg cacttattat aaaaccctt catttttgat tcacaaaatt 60

gctaactaca aaaaacttga ccaccacgtt acgcaaatac atgttcttat ctgaagaggc 120
 cgaaaaaaat agtgataggt ggcacctcgg tctggaagag attgagccgg cctgatactg 180
 aatgaatgga gtttgccctt cgaaaaaggc ttggaaagga tgctacgctg aatgcctgct 240
 ccaaagttcc cgcattctatg cgtgaactgg gaggcctcgt aaaagcactt atgcgggggtg 300
 gagtttacca ttatttacca cgaacatagt gtacgccaaa gagtttttcg gatgacggga 360
 ctaagttggt ttcttttgg gtaccggg 388

<210> 29973
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400031e01d1

<400> 29973

gattaatatt accaaagtca ttctttaaaa ttccataaca tacaaaagga gttcaatcgt 60
 aggatgccag ctcttcaatt ttatttgtaa tctagaattg cccttacaac ttacaaggag 120
 tatttataaa ttatattata taataatggt cgtacattag ttgaaatgat attcatacct 180
 gtaaacaaca tcttatacaa ccaattccat aatttagatg tacaaaaaga aggtgttaca 240
 tacaaaagaa actagaaaac aatagacatt gccaaactatg actagtgact acaccttcat 300
 attatattat ccatttcac ttctagacaa cttcattctg tactaggacg tggaataagt 360
 gagcttgga ccagactttt atactatgat ttgctcttct ttcaaacgca aatgtacagg 420
 tctttggtca gtacttccaa aatccatatt cttgagcaaa ggatgtttct ccggcaccac 480
 attatgtggt tttaatggca ttgaatngct actagct 517

<210> 29974
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031e03d1

<400> 29974

aaaaaaaaa cattatttct attaagccag tgatgttttg aatcttaaga cattgacact 60
 agaactcgaa gagagtccaa gcaaaaggaa gatacaaata ttggagaaaa catcaaagat 120

<210> 29977
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031e07d1

<400> 29977

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cggcaaaacc caaactaggg gaacaccaag ggcaccgtct ccccccccc ccaaaaaaac 120
aactctcggc aaggggaaaa ccccccccc agaaaaagaa aaaaccgggt gggggccaac 180
acccccccgg agaaaattta caacaaaaac ctggggggcca caacaatgta caaccggcg 240
ggcccccagg ggttttgtcc ccccccaaaa aaaacaaaac aaagaccccc cccccaaaaa 300
aaaatcaacc ccccccaag cctctctttt tccacaaaac aaaaccccc acagggggaa 360
aaacaaggga ccccccaaac ccccc 385
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<210> 29978
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031e10d1

<400> 29978

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ggagcaaagc actaatatgc agagagaaaa ttaataatcc agcaagagaa aatggtgaca 60
tacaaaactg tatcgtaatg gagttgtcaa caaagttaac agttgacta gaattgagtt 120
taaaaagcca aataagcaca aaattaacac agaaacagct ctaacaaatt tcatgcatta 180
ctataatcat taatcaccca aacctaaaat cctccaaaa agatctttat cacttttctc 240
aaaactcagc ccttcaaagc ttgcttttcc tttgtctttt ggatcttcaa taccttttcc 300
acaatctttt gctcttcaac caagaaagct cgaatgattc tctctctaac agcactgcc 360
gacaacacac caccatatgc acggttcaca gtccttcggt ttttgggtaa ccttgatctc 420
ttatattctg ttggccttaa atgtggaatc ccttgaatcc ttttttcagt gacagggcac 480
ttgggtccgc tggccctctt ctctgtgtct gataaacaag cttgccaccg ggagtcttga 540
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<210> 29979
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031e11d1

<400> 29979

attgcaaaac aaatgctctt gttttattta tatttgatta tttgactttg gcattcctcc 60
 tggcaaaatt gtccatgcaa ggagctattc cgcaaaacaa caatttccgt acaggacaca 120
 attccactaa tagtgggagg gcacaatgcc aaacatcgat cattgcattt tacgtaagac 180
 agtgtaatgc acaactttgt ggacctatat atgcaatggg gcagtacatt atagataagg 240
 cccgtgaagg tgaaatcatg ggtcagggaa tttagaagat agacatgcat ctacggcttc 300
 agcaacagta aggaaaaccc actgccttcc gattttatcc acaaaatgtg ccactttgag 360
 cttgtgaatc actagccacc ttgggttcac catagccaat tgtacgccac gcgagagcaa 420
 cctcttgtgc agttccttca gtattagaat cccagaagta tcaacattca tcaagttgct 480
 catgtctaag attactgctt ggactcttcc cttagcaagc tcgttttctt cttccgcgac 540
 ccattttagt attctttctc taacaaaatt tgcatttgca aag 583

<210> 29980
 <211> 519
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031f03d1

<400> 29980

aaaaaaaaag aaatatttta tatcaattta ttataaacgt taataacatt cattatcaag 60
 tccattacgg atcccatcag caacaaatca tgaaggaagg acatcaccga gttttcttta 120
 ctcttctgca gcactagcag cactaagatc cacactcagg tcaataacct ttccagttat 180
 caatgtatac atgttgagaa catcatccac ggtcgactca aagtgagtag tagcatcata 240
 acttgttgat acaaagcagt tgtccaaagt gggttcattg accggttcat atctgtcata 300
 gatatcaaaa aatatctcat caacaggtcc tagaagggtca attccagggt ttagttcaat 360
 tgctgggtga tctgtctctg cctcggttga taaaaatgca ataaattttc cctttggagc 420
 aacattgtga gtatatgaac aacaaaatag gtacatgtct gacttccgac ccaactgttt 480

ctgtggtaaa ataatttgca ccgaatggga atcatcagt

519

<210> 29981
<211> 399
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031f04d1

<400> 29981

gcgcaacatc aattttatat ctgatttgat ctccagaagg aagatgcccc ccttatttat 60
tatctatata tacaaccggt tccatacatt tagagaacta aggaaaatcc aggtcgtgat 120
tcatttgaca attcatccct ttgttggcgc attcgcgctg cccatgacat attccctcca 180
acaaccttgg tggtactttt ttttttcage tttgacagtt gaaatttcca cctgactttc 240
cattcccttt ttgtgccaac cccctgatcg ggataattat agcggcaacg agcgttgaag 300
gccaaagttaa tgcccctggc catggcctta tggaacatag cttttcggga aggaacaaaa 360
aaggtttggg aggcctcctg cacctgaata aaccttttg 399

<210> 29982
<211> 407
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031f05d1

<400> 29982

atgagaggaa attgtttttt tatttttact agatataatg taaaataata agacaccgta 60
ttataaaatg cacaggctac atccgtgagc aataataata atttatgttt aaactgctac 120
tagtaactac taagctcggc acatgcaaaa aggagctgga tacatatata ttgcttgatt 180
tggtgcctc agccttagat ccccttgtct attttgggtga ccgtcaccca ctgcatcctg 240
aaactctaga cactgtatgg gactattcag gacggggctg agccatctat gccgagaaac 300
ggccttatag tcgatacagt gcaagtctgt tcggtgtcca accaatgcat tgtgcgtatt 360
tcccggggaa gcagggatga atatgtggct atgcacgcca acatatt 407

<210> 29983
<211> 305

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031f06d1

<400> 29983

aagagtggaa attgcttttt tatttttact agatataatg ttaaataaaa agacacccta 60
 ttctaaaatg cacagggtac attcgtgagc aataataaat atttaagttt atactgctac 120
 tagaaactac taagctttgc acatgcaaac aggagctggg tacgaatata ttgattgatt 180
 tgggtgcctc agccttagtt ccccttgtgt attttgggtga cctataacca ctgcttcctg 240
 aaactctgaa cactctatgg gattattcag gaaaggcgga cccatcaatg ccataattgg 300
 tctta 305

<210> 29984
 <211> 353
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031f07d1

<400> 29984

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 ttataaaatg cacggggtac atacgtgagc aataataata gtttaagtat caagctacta 120
 ctagtcacta ctaagcttgt ctcatgcaat ctggagctgg atacctaaat attgattgaa 180
 ttggcgtgcc tcagccgtag atcccattgt ctatttttga gaccatcaac cactgcatgc 240
 tgaaactcag accactctat gggttttattc aggaaaagct gagccatcaa tgccgtgagt 300
 gggctttata gtggctaaga caagtatgct cggtgtccaa ccaatgcatt gtg 353

<210> 29985
 <211> 455
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031f09d1

<400> 29985

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 ataacctttt tctatgtaca aatattattt cccatatatc gatatatcga agtgggtctac 120

tgaataaggg aggactattg aattctgcac tgtcaaagt tgcattcctt aatatatttc 180
 ggaaagctta ttttggagta taaatacata ttttagaatt aactttgcaa aatataatgg 240
 tgagaatgca taaatcgaat gttataagt agatacataa taacagcaag ctctattggg 300
 ttagaacaaa ggcaaaccat gaagagctga cgacacttaa gtgggccttt gaatttgggc 360
 catacatttt gcatagccca taatgacag tcatgttcag ctgaacgcaa ttgga'cttcc 420
 aagcctatgc tatacatctg ggcattccca acgtg 455

<210> 29986
 <211> 586
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031f11d1

<400> 29986

ggacagaagt acaacgcata atcttttttt ttttggcaac agttccattg aaataattct 60
 tatctcatgc tgccacagag catatttatc caaattatct tgatatcttt ttttcccaa 120
 acaaaagaaa aactacttgg ttatgctgga tgttttctaa tcacaacgga aaggataact 180
 ataaatatta ctttggtaaa aaaaaaaact aaatattact atcaataccc atgttcttca 240
 agaatacaat ttcacccgta actccgtaag cagtgttaaa agaaagaaca gaaagtaacg 300
 cgaagaaaac aaaaatgtcc acacgactgt ctcacttct gaccaccagc ctcagttggt 360
 tcaaccacct cagcttctaa agtttctggg gtatggggct gggttactgt ggactggaac 420
 tgaccaggtg tggaccatth accagtgaga gccataccca tcatctcata tatcttccct 480
 ccaagttgtg ctggattatc aggcgttaaa cactggaaa ccaaagcagc atcatacaaa 540
 agatcaatag ctcttagggc atcttcatca tcgggatttg gtttaa 586

<210> 29987
 <211> 95
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031f12d1

<400> 29987

atcaatatat ttatcatagt cataacggaa ataataggtg ctcacttcag ttccagaata 60

gggggttaatt tttaaaaaat gacttaagac tatga

95

<210> 29988
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031g01d1

<400> 29988

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aagcatttta caccatgaga tatgaaatat caggcattgc aaaaacccca ggcagcccac 120
caaccatgta tttacttgct ggacctcgta caaccacgg acattaggac aatgacaaga 180
cgttgacttg tcccccaact gctgtcgtgt cataaaggag gacttcacag atagaccaac 240
caaaactccc cagtagagca tgaatatctt ctaattaaag ttgaatccac cggacggcac 300
agcaggagcg ttactgtac caaagttgaa ccctgactga gaagcatccc ctggaggcat 360
aggctcatct tctgtctcca accagtgtgt ctcaagaatc ttgaccgctt ttgcgcaaat 420
ctctgtgttg tcatgactct ggaggatctc aatttt 456

<210> 29989
<211> 503
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400031g03d1

<400> 29989

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agggtgggtt gctattagac tactttattc gccctattct tgatcaagac ctctgcttca 120
atataagtaa accttggagc agaggagctg aattatcctc ttaaacctta ctgctacata 180
tctattgcgg ggaaatcctt tgaaattctc tattaccatt ctatatttta tatttatctt 240
catttaattg gcctcaaaga aaataaacia ttacttaag aatttcaact gaaaaatgac 300
taactttata ttgagagggc gtcccatata aacaacactt tggctcacc ttttattcta 360
ggaatgcagg catnaactac atatatccaa atacgcattc catccctgaa gacgggtattt 420

accagctggt tcttctggat ttactgcttt gatgatgccca cgctccacaa tgatgatttc 480
actgcccgtat tcatggacca ctt 503

<210> 29990
<211> 372
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031g04d1

<400> 29990

aaaaaagaca cttttaagtt tctgtattatg aaaaaaatatc ttgccccat gcttgcaaaa 60
agtaaaacca aattttgaat ttacgaattt aataaaatga tgcaacatgg gaaaaaaaaag 120
ccctttgata aaagaatcac gaatgtaaaa gcaaaactgt tataaaagct cagtgtcggg 180
agggaaaacc atcaccccat ttggggggtt tctgggaaca actgggttct ctgggaatac 240
ttaggggggt taccgccatt tagcgggatg atgctgggga ccttcagggc actaaatgtt 300
tcagttgcta taaaacgaac tgaaatgggg aagaatgctg atgattccgc ttggggaaca 360
acaaattcca tt 372

<210> 29991
<211> 466
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400031g05d1

<400> 29991

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ctataaaata cacaggctac atccgtgagc aataataata atttaagtat atactactac 120
tagtcactac taagcttggc acatgcaatc aggagctgga tacgtatata ttgattgttt 180
tggttcctc agccttagtt ccccttgtct attttgggtga ccttcaacca ctgcatcctg 240
aaactctgac cactctatgg ttttattcag gaaaagctga cccatcaatg ccatatttgg 300
ccttatagtc tttaagttca agtatgtccg gtgtccaacc aatgcattgt gcatatttcc 360
tggggaagca gagatgaaga tgtcactatg caagccaaca tagtagtcaa gtgcagctaa 420
tagagaagct tttcccttta tctgagaacg ctcttcagat gaagca 466

<210> 29992
 <211> 415
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031g06d1

<400> 29992

gttgaaaaga taattttattc cattctctgg catgccatta tatatttgat atcaacgatg 60
 acttgattac attgatccga atcgaagagc aagcgatata cactgcatgt ttgtgatctc 120
 caggaaacaa acaagaagaa aaactgggca tgcatgccaa aggaacaata gatttagatc 180
 acttgagaag gaattttttc agccaaaacg cagaggactt agggatatcta ctcaaattgt 240
 tcttgtaatc cacatatatg atgccaaatc gagctgtgtg accagcatcc cattcaaagc 300
 tatctgaaaa tgaccatata tagtagccct tcacattaac tctatctttg atcgcatgaa 360
 gcagggattt gagatggcca tcatggtatc taattcgaat accattcttt cgggc 415

<210> 29993
 <211> 382
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031g07d1

<400> 29993

ggatgcagca agttcaaccg ttcatatttg gaactcaaat ggactacaga actgtattca 60
 aaaggacgtc cttcaaattt gaaattgtca ttatctctgc ctttccagca aattttaatc 120
 tataatgcaa gagacgacct aaagatctat cacacgtgac aatttctgga tccgattcag 180
 caggaagccc ctttgcttaa tagttgcttg gtaaagagca ttcttagcat cagggcgatt 240
 cgtttcacga acacctgcaa ctttatcaat cttacaatga agcttccttg ctgcaataaa 300
 acgtgatagc tccacatcaa tgaaatctac tgtcactcca aaggcttttg ccatggcttc 360
 aatagtcaca ctcttgtaag at 382

<210> 29994
 <211> 483
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031g08d1

<400> 29994

gaatagacca atcgggctaga tattaattta ggttttcgtc caagtttaca tgtatagatt 60
 ttaatgcttg aaaaactgcc aaaaatactc ataacgatgc tatgattgat gtgagaatac 120
 aaagaatggc aactgaaatt tctaattggct aagcagataa aaaaaaaaaa aaaaccctta 180
 atcaaagttc aaaagaatta cgtttttcta tacctaactg gtcatttatc cagctcacca 240
 gaatgtccca agattttcaa gacaaactat ccctccaaca gataagtatt gatcttgttc 300
 aaggcatatc tttatattaa aaaaacaaca ccaactggaa tgatgtttgc ggagactctt 360
 catccattgc tcttcaaata ttgagcagtc tgcttttcta tcttttcttc aatgctctgc 420
 cagtaacttt ggcagctgca atgcaacatc ttttaattta ttatactggg aactgtctca 480
 cac 483

<210> 29995

<211> 596

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400031g11d1

<400> 29995

gttatccaaa ttgaaacaag aaattttatt gccatcgtag ctcaattaca tttagtctcc 60
 atcttgcatc ttgtaatttt gctatatctg agactctttt gtctgcttca catttctata 120
 gcaaaacgta aaatagaaac atctaacgac caattcgtac acaaggtaca cgtacaataa 180
 caacagtgga agaagaaatt ggtacctata aaaatacact ggatcggatc gagtagagta 240
 tacataccac aagtgtcaat aacatattct ttattacact cattttaaca cattttttat 300
 gattagttaa aatttattaa aaactataaa atcacattaa aaaaataacc atgaattttc 360
 cagatttaat tttcaataaa ttttagtgac gaaatatttc atatgtaact tttgaaaaat 420
 tcatcactaa agtttttgta actttagaat tagtgacgaa aaggcaatac atcactaaat 480
 tccgtcacta ataaacatat ttagaagagt gtattagaaa atatgttatt aacatttttc 540
 ttgtctgaga ttagttttaga cactaacgga gcaccctggg ataacttgga acttga 596

<210> 29996

<211> 118
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031g12d1

<400> 29996

gatgttaaaa ttgtatatat taattttattt ttattacaac taacggacat atttgggtact 60
 accaataaag ctacgaccgg ggtaaattaa aacgagaacc ctccagggtta tggatcat 118

<210> 29997
 <211> 570
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400031h01d1

<400> 29997

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 cgatcaaaac ttttgttttt gtttcaaadc aagctgtctt gaataatagt atagccgtat 120
 attattatgt atgtacgtag tagcatcatc aatctctggt taattaattt atttccgcac 180
 ccagagagtg acgctaaagc gcaagaatcc cagttgaaaa tatttgttcc cttgtatatg 240
 gcgaacttga catttccaca gaccttgaag cttctgaact acaccgttcc ttcctttcgt 300
 ccatcgttat ttgactcgaa cgacactcag ggctacaaaa cgctttctct cctctgtaca 360
 tgtatatgtc tttgccgtgg agtttctttc cacataagtg acatgaactg agaaaactcg 420
 atgtggggta cgatgattcg ggctcaatca aaggttgtgg ttcggttctt ctgagaacta 480
 caancgttgt tttgttggtg gtggtggtgt tttgtcttcg aataatatca cctttcacac 540
 catcatagtt taccttagtg aacgttttgt 570

<210> 29998
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031h02d1

<400> 29998

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ctacttatgt tggttggtac agcactagaa agaaccacct aacaaaatta actggtgaaa 120
 ttaaactacc ctgaactgaa gatcctattc ctaggttatg acatgttttag agccgccact 180
 ttatgacctt actatgaagt attctttttt caaaatcttt ttatgctctt cgatatttct 240
 taagaggggt tcagtgtcta ccaagcaatg acattggaga taagaaaaag aatagtgaat 300
 gtgtaatagc cagcttttgt aaccattagt agcagaataa aaaaatcagg ggtttctcat 360
 gattatggta tgccagccaa aagttctcga gaccctgtta gggttcctgg gacacgttgc 420
 cttatctctt aaaagcacac attgtttgtg agtctaatec tccagtaaac tgatgagc 478

<210> 29999
 <211> 566
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031h06d1

<400> 29999

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 gaatcatgaa atgcaaattt gactattaga gtttacaata attcaaagaa aggaaagcat 180
 taagccaact tatgcttcaa ggagatctag agtatttgtc tgaggaacac ccacataaac 240
 tacaacttct tcaatagcaa ggaaatgata aaaataaaga aggggaggggt aatacaggga 300
 gaacaaaggg cagtcaaag ttaacaccta gtgaatcaca atatcgaaca ggctttttgt 360
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 aagactgcct tcacgttctc ctgtgttttt gaactgcatt caatgtaagc tggcgcatta 480
 atcagcttcc taagctcttc tccctgagct gtggtaatag gtaccgcacc aggatgggtca 540
 atgcagaact gcttatcatc ccgaag 566

<210> 30000
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400031h08d1

<400> 30000

<223> Clone ID: jC-gmst02400031h10d1

<400> 30002

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gagatatcca taaaagctaa atagacaaaa aaaaagggtg gaaaagatgc cccaaagggt   120
attgaaaaaa aacccaaaga caaaaaagaa aaaagggtgaa aagaaagaaa aaaaaacttt   180
tttgcaccaa aagggggggc ccctagaacg gcaccgggaa acgtccagga agagatcatt   240
agggccccctc aatgtaaggg gagggccacc tggaacc'caa ttctcacaaa gttgtctaag   300
ggggccgatc gggcgtttgc ctaagggccg agggcataaa gcctcgga                349

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<210> 30003

<211> 564

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400031h11d1

<400> 30003

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acagaaatta aagacaaaaa aatgaaaaat gatgagaata agaaaagtaa caaagactcc   180
tcctgagtac tgctacaatt actagaccta aaatggctaa cactctggtg actctaccct   240
ctttgacttg catatctcta tcccttgttc ttcagttcta aatatagcta caatatgatc   300
atgttctatt ttgctcctat cccccattc cagccctgta caaaaatcca atgagaaaaa   360
taa'atgacag acaagaaata acacaaagac taagg'tt'ta acttgcggtt gccatcaaaa   420
ttgtggacaa atatggctga tgcagtcaca accggaacca caacgcagtt gcagacacct   480
ataaaaaacct taacattgca gtatgtacaa tgcaattcaa aacctt'gtat aagacatgac   540
ttaagagaag acttgaaaga gaat                                           564

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<210> 30004

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400032a01d1

<400> 30004

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 aaaatatctt cattcaatgg ggaacaacac atttgaatat cgagcatata tgggacctga 180
 acctgagaat ccataggtaa atatggtgaa acaacacaac ctgctgcagg atgtctgatt 240
 ggtctaaggc catcatctcc tgctg 265

<210> 30005

<211> 591

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400032a04d1

<400> 30005

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 cttagtatct cttgttcttt tagtcgatgt tggaatcttg caaggcgtgc ttggagacta 180
 acgagactag ctgctttgcg agaaagcacg aaactcaact gggttacgta gttgtcaata 240
 agacttcctg gctgggccac ttctgccagt agtttcattt cttcacgaac aatctccatt 300
 gtgtcttcaa tttccttctt atgagcagca attagtgtt cttcctcctc aagtattgca 360
 ctgatattca catcagaaga ggattctgtt tcagactgcc ccgatccagt ggtaatgcta 420
 taatttcctg tgctctgctg cttggagctt gcagtggaat gatcagaacc attggcatcc 480
 cgttttaccc aatttacaga tctttcagat ttctcctnct tagtcccctt tctgcgtggn 540
 ggagacaccc cttgcacttt ctcatgttaa catctatgga aaagagtcac c 591

<210> 30006

<211> 467

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400032b02d1

<400> 30006

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 gaaaaactag tacttgtgac aagtgacggc ccaggtgaag aaaatgataa tgaaaaggac 120
 gacaacgtac tcagctgatg acagatagac actgatcatt cggctcgtag agaacataag 180
 cgtctgtatg acgttcccaa tatcgggtact agacacatat tcaactgtcgt tcggattgcc 240
 ggacaaatag ttgggcctcc gtcattgaag ccgtattcag aggtctggca tgatcagtga 300
 gaggttgact attggtaact gacggcctgg gacgaaatct ttaaaggctc tcagtctgaa 360
 gaagaactcc acttgagatg ccatgatgca tggcaaagt ttaatgatta ggacaaatgt 420
 ttacattagc aactgattgt agcaccttgt catccatgaa ctgactg 467

<210> 30007
 <211> 409
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400032b04d1

<400> 30007

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 ccaccagatg caagaggtct atgtcaacac taacatgctc ctctatgaat acacgcctaa 180
 tagcttaggc ctttttgaga aactgcatga cattgggtatt gatagcgcac cacaggactt 240
 gtaaacctcg gaatctaaac ccttcggcca gaaccttaaa ctctttgtat ggtgtctgta 300
 tcccacctgg attatgtgcc aacatgatca catcgattgg aaccacacct ttatgggcca 360
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<210> 30008
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400032c01d1

<400> 30008

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gtctagcgat cgaacttgat caataaagtg ttatcctcca tccaaacagg gcttcccaag 180
aacttaatat tatgggagtg aaagctaacc ctcgaccatt ttttctcact tgaaaccaca 240
taatgataac aaggcttttc catttataaa tgaagctcga atcatatcga ataattaata 300
acagatccgg atgtacctaa tttagccctg aaaaatggga aatacttaaa ctaaagtatc 360
ctattgtaaa tattccctcc tgactcgaca gcctgagcaa cagtgtccga gccatttgat 420
gacgggtgac tagtagataa agcaattggc atccgaggag gcgaat 466

<210> 30009
<211> 579
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032c03d1

<400> 30009

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ggatttatgg cctcatgctt atgctaagtc caataaagtt aaaagtatgt tcatataata 120
ggtaaacagt gagaaattaa tttatgcttt atagtaaata gaattgggta gtttaaagt 180
tctcttgccc attggaagtc catcaaaagt gctccattga tctcccacaa taccatcat 240
gcgataacct tcatcgacca attgttgctt caccttgga tggtatTTTT tcacgtccat 300
caattcatca tcaaaacccc tcaatgtaag cctattccat ccatgggtatc caacactcac 360
aaggttgctt acgggtgggag atcttaggtt ttcctttctt gaagaaatca gaaagatttt 420
gaaccctttg ttcttgattt catggaagag ctgagtggtg tgatcaagag ccggtgcctt 480
gcttttctcc atccattctt ctaaagatgt tgcgttcagc ttttctcccc caaaaccatg 540
cttcttataa taaggaattg tggacaaaag ggtctcatc 579

<210> 30010
<211> 584
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032c04d1

<400> 30010

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cgtaaccag aacgatacaa gatagcagca gagcaatcca caagaacaag aacatgaaga 120
aatcacaaca taaacagatt ccatgatgga aaaatgaatc gtttctgtga tgtatcccaa 180
aagtacaatt cgaagagaag catcatccca aaactcaaat ttcggaaaat caacaagcac 240
aattttcttc agcagcaaaa aaaaaaatct atacttttta taccctatca ctgaaagtaa 300
gaaaaaaaaa ctgaccctaa taataacacc atgatcatga ttatcacata acaacagatc 360
tctgcgcctt cctccgctca taatcagcat catcagtggg gaactcatag cgacaaacgg 420
gacacgtgtt tcttatcccc aaccacggca caatgcagtc ctcatggtaa cgatgcgaac 480
acggcaacac cttcaccctt tctcaacgc caaactcgtc ttacaaaacc gtgcaaacga 540
cgtcagcttc tgtcacaacc accgacggaa gaatcctcac gacg 584

<210> 30011
<211> 531
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032c06a1

<400> 30011

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cctgttggtg ttgaaggcaa ccaggttccc aaggaaagta ctcaaactaa ggtgaagaga 180
agaggtggcc caggaggtct caccaaaatc tgtggtgttt cgctgaact tcaggtcatt 240
gttggccagc cagcattgtc gaggactgag attgtgaagc aactgtgggc ttacataagg 300
aagaacaatc tccaagatcc cagcaacaaa aggaaaataa tttgcaatga tgaactgcgt 360
gtggtgtttg agacggattg tactgatatg ttcaagatga ataagttgct atctaagcac 420
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tcaggaacaa gaagtgtga acctactcct tctgtaataa tatctgatgc a 531

<210> 30012
<211> 617
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032d01d1

<400> 30012

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gagttcggca acagaacatc atcaaacaaa caaagcaata aaaacatata gtgaatatca 120
cacactcaca gctgatcaca cgacgtagga acaaaaagaaa tgggtctcctt ttcaagatca 180
tgattcacca aaatgtttctg ctgttgaaca tttccgaata tagacattcc actagaagca 240
cccatggcta aacaagccac acccaaattg gagtcaccaa tcatgtagtt ctcagcagga 300
agctccaaat cccaccctt gaaatggaaa acaatctttg gaatctccac ttgtgttgac 360
cctgatggca gagagaagca aagatccaac cctgttgagc tagttttgtc caaaggaagt 420
ttggtttgag aaatgaactc ttttttgagt gcctcaaagg ccttttggtc aatgtatgtg 480
attgtggtgc cagagtctat gatcacacca ccattcccat catccccac ttcaaagtgg 540
acttctcaat ggacaatcga gtgtcccaa cagagatgcc tctcagagaa agatagtata 600
aagaaggttg caaaggg 617

<210> 30013

<211> 552

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400032e01d1

<400> 30013

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attaaagaaa ataatagact taaaaaagca cactgcatat tcatcaaagc atcatcaaag 180
cacactgcat cctaacagca cacgtacgta gaaaggtgaa gttccagggt ttgcacaaca 240
tacacaacac accataattt attttatata caatcttatg gtgccaaga tgcagatgca 300
tggaactaatt aaacaacaac gttagtctga taggcagggt ccatagataa attgggtacc 360
cataaaatgg ccttgcttcc aaggaaatgg caaacagggt tagttccagg atcaactccc 420
atgagttcat gaagcatgtg atgattcatt ccagacgtat ctgagtggca aacagcaagt 480
gcctgagttt tggttccatc accagtcacc aatggaacca tgaaagctgt tgttcacgga 540
ctttatggca gt 552

<210> 30014
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400032e03d1

<400> 30014

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 atagatatgt gataaaaaaa aataaaaaaa tacatgtaaa catatagggc tatgcatgaa 180
 attgcgctgc agagaatcac aggaagcaat agagagtga caatgaatta tcaaatggta 240
 ggaggagtaa cagtgtgac aaaaaagtcc tcatcaattt tttcatcgtg gcagcactgg 300
 aaggtggtga gcacgtgcat gttgcggcga cactcggggc acgtgagcct ctctgggatt 360
 ctccccattg aatgagagaa ctcaaacctg cagcaaggac taacaattga atgaaccttg 420
 tcgtagtgat tcttaaagtc tggttcaaac ccattctctgt cagcaagttc tttccacaca 480
 gcatacact ccaccaaggt ttgcaaccgg gttgtggcat gtccattgac cacaatgtga 540
 g 541

<210> 30015
 <211> 577
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400032f02d1

<400> 30015

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 atttgtggtg ggggtggccc cttgctcttt gtgattatta ctttttccat tttcagtgc 180
 tggtggagat gaaggaagct tatcaatgat ggatgtaaga ggggaatcaa gttcctctag 240
 ctcttcatca cttgtatatc ctctactctg aacagctgat acatttcttg ccaagtgaga 300
 ctttccttca gtctctgcaa ctttctctgc cacattagca gaagagggag ccatatacac 360
 aacaggtgca gccacatagg gaaagcttct tgcagattct gctgacaatc ttcgctctat 420

aatagtctcc gcattcaggg cctccaagac agttcctgga acaggatctg gacagaactc 480
atccggagtg aagttacaga gaaccggtat aatcaatgaa agaatgatgg ttggacacac 540
ctcctgtctg atattcctat ctataaagca tgtttta 577

<210> 30016
<211> 549
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032f03d1

<400> 30016

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agatactgat ccttgccagt accttatgcc cccgtctcgg attgtctaga ctactaatcc 180
gattgcta attgattccag aaatgggctg aactcatcaa tgccaaattc aatctgactt 240
ataactaaggc tcattgattg atgggtccact tcagtagggc tgattgctgg acttgtagca 300
ccgctactg agctgcttga aagggttagca tcaatcccat tatatcacgg tttagaacta 360
atgctctcct ttttgcta atgaccgcatc tgaaagctga tggatgaatt ttacagctgc 420
accaccgtag tgggttctact gacttttgag tgtgacttct atgtatgggt ataactggat 480
gcttggaatg aacagggtgt gcctccgttg cccccagcat ctaatccgtc atcccacttg 540
ggtagtgcg 549

<210> 30017
<211> 348
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032g01d1

<400> 30017

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tatcgctaga caactttact cgatgtacat gaagccgaac ccgtataata ttgtgagaca 180
ctgcgtttta catcgcta ccctgtacta atgataggcg cgaacaaaca atggcatcct 240

gcaactaaca ccctatatca gaaactcaca tgatctgcag actgggcatt gctaagaacg 300
 aagacgagcg ggctagaaca tottaggcct atctaaaacc catgtagg 348

<210> 30018
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400032g02d1
 <400> 30018

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 ccaggaccat atataatgag acatcctggg gtacatgacg caactacgga aaaacgcttt 180
 tttttgaata aggatcagat tggtgaaact tgatgcgata tacatcagcc tgagtcttct 240
 acagtgaggg cttttcagaa ggagcatgag gagcatacta tttaatgttc aggccatgct 300
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<210> 30019
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400032h01d1
 <400> 30019

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 accaaaaaag ctacaacctg ggtaattaa cacaatgaca cataggttta tggatcatca 120
 gctacttatt ccttgaaaat tataatcagt tcagtctgaa tccagggagc agataataca 180
 tgcacaatac tgggcgttac aatcgcagac tacctgacga atgcatggga gtgaatttcc 240
 tacagcatgc tgtaactcga tgccctcact ggcacactga ggcttctgca gggggggcat 300
 ttcagaagga gcaataggtg aatgctagac aatgtttacg cctagcttta acacatggag 360
 gatgccagct accaaacgtg tactgctcct aaaaggtgcc aatcaaaagt cagaatatca 420
 gtgttgtaca gaaag 435

<210> 30020

<211> 539
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032h03d1

<400> 30020

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gggacttctt aattcccagc tatcataaaa attttaacag actccgacta atctagagct 180
catcgtgaga atcgtcctcg tcttcttcgc ctgatgcacc accaccgctt ggggctcctc 240
cagatctctg atacacagca ctaatgattg gggtgcaaac ggcttcaacc tccttcagct 300
tctcttcata atcttctttc tccatactct gggtgtcatc cagccattcc agtgcttctt 360
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tgtcactgat ctgggttctt atgttgata cataggtttc aagactgttg cgagcatcga 480
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<210> 30021
<211> 515
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032h08d1

<400> 30021

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ccagggcggg cgcagagtaa taccgggga aaattggcca gatcgcata tgagtagtaa 180
agggacgaag gaaaataacc gacgcagcaa taagggatcc cgttgtcaac gtaggtgttt 240
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ttggtttccg cgattagcgt aacaacgttg cgtcttgca tagcgtacgc aagcgtgtat 420
gtatttggtg caatagtgtt gcaaggcacc gccacgggtt aagcaaacgc tatcatagt 480
gtaacggtgg cccaccagc gtatatatat ggcac 515

00220"EFFE560

<210> 30022
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400032h10d1

<400> 30022

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ataagagtat gagtaaaagg aaacgtgttg actcaatgac taatgccgaa aggcttagaa 180
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aattagttcg ggttaa 256

<210> 30023
<211> 466
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033a01d1

<400> 30023

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aacctacgac aaataatgtg gctagtgatg agaaaatcac cggggactgt tctgcaaadc 120
acaaaactcc tgtttcctat gagtaaagt ctgctgggga ttgctccaag ctcataccct 180
tggtttctgg caccgaaaca tttataacta atatagccag tgcattaatt gcagcataaa 240
ggatgaaggt accatacgag cttcagctca tgaggaagtt gaaagtatag gaacataacc 300
atgcacaaaa ccaggtagtt aatgtggcca cactttctgc tagccctttg acattgacag 360
gagatatgtt agacatcaca acccatggaa ttgctcccat tcctattgta aatgaaccta 420
tgtagaccag tatgcctgcc acagcaagcg ctgggactgt cttaac 466

<210> 30024
<211> 586
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400033a04d1

<400> 30024

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ctgtttacaac atttccaaaa gcaatatgtt tcctcaattt tgaggggatgt tcaaatataa 120

acacaaaatg agattaattt tatactagag tagttattta tccttcgtat cctcaggcaa 180

agcagatact ttgcagatag gacataattt cctcaaagat aaccattttt taatgcagct 240

cacatggtag tcatgcccac atgttttaag tgttccaaca tcgtccatgt tcttgtactc 300

ttccagacat attacgcagt ttccttcgtc ttgactttgc tcagatgaac aatatattgt 360

ttccgtcaaa catttggtta gccaatcctc agagattcct gtgttcacat agccaatcct 420

ctcaccaagt gcaagtagtt cctcataact catgttatct acgtccatcc tcatgtctcg 480

atgctgatct agcatgttcc tggaaccata cactgatgca cgctcaacaa ccatgaaacc 540

ctcagaggaa aaacgatcat gcagaccact ctcagccaat gatcga 586

<210> 30025

<211> 542

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033a05d1

<400> 30025

gtaaaacgat atggcgggctt ttgcaataca tattatttcc cttcccaccc acgcaaacgc 60

tcagagtgca agagctcaag tcattaatgg aagtcacctc aattgactga tttttacaaa 120

gagaactcaa ggggatcaac atttcaaate tgacaattac ataataaagc ctttcaatac 180

cttgataaat tccatgtcat tgccaaagca ccaagaaaaa tcaatcatgt ttcagggcac 240

acattcagaa acataaagag aaacttcacg agtttggata tttttatctt tacaaatatt 300

ggaccagcgg ccatatgaca acaaccaaac cactataacc aatgactgat aaaagcatgc 360

acaagcagga gcaaccaccc ttggtgcgtt tgtttaacac tgccaagttc ttgtgcactc 420

tcctcaggcg agaactctgtc acatctacat gtgggtgcaa gtcacatg agtctggtat 480

gtagattcag ctcttgattc acagccaacg caatatgttt agtgctgagt acagtctcct 540

cc 542

002220"ETTES60

<210> 30026
<211> 375
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033a06d1

<400> 30026

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taaacaaatt gaaaggcaag gaaaccccg aagcactgcc tctgtcctga ctccataaca 120
tctcccctca aattcacatc aaacgcaaca caaagtatgg gatcaaagaa gcaaaaaaca 180
tagcaacaat tggggagcca gcagcagttg cagatgatgt ataagaagat gtggtagtgg 240
tggaggtttc agttgaaggg gtagtggagg ttgaagtttt agggttagtg gaggtggaag 300
tgggagtgtc ttctttgacc tcagaattat gaggtgagtc ctctacaggt ggtgaaggtg 360
catttgcgcg tgcaa 375

<210> 30027
<211> 519
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033a07d1

<400> 30027

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gaggtcgata taatatacaa ccatgacagt actctcagta gtgctaggaa agttgggtca 120
agggataatg cagcaacacc atgcatgaag ttactaaca aatctgagcc aacaaacaaa 180
acagaaaaca aaacactcta tgactcaagc tgagcatacc agatgccctg gatcttgaca 240
tcctttggag cctttgctcc caaatcagtg tcagatgggt gaacactctc gaacacaccg 300
ataacctcac ccgtctcagg cttggctctg gtgacactca aggtgatttt gcccttggat 360
gatgaggcac ttttattgtt ttccttggca agttcttctt catctctctt tccaccagca 420
ggcaaagcaa ctgcattgtc ataacctgtg gaagcacctc ttcccttggg gtccaagaaa 480
gagcttcac ggtaggatgg gactagaaac tccccacta 519

<210> 30028
<211> 547

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033a08d1

<400> 30028

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 accatacagc ctaaaatgga gttacttatg gaccacagca aatagcttgg ggactgccag 120
 actacgacca tggataagaa ctcaaagga ttaccaat t accatccacc aaagtattaa 180
 ctgttcttat aaacctaaga ataaaaagta tagactaaaa ttgatgaaat ataaaatgct 240
 aaaacaaaca gcatttcttt acttttccca gaaatgatgg gtatttatga gaaaagctat 300
 ttacacaatc aatcccagca caactgctaa tgtgtctgcg tcagagttta agcaagaaaa 360
 aaaaaggggtg agagcctttg gtagaaatca taactcatat gcagtcacat tagcagttat 420
 gcggtggtgt aagtagcatt actagcgatt cctataagta gcacacatat attcgtgcc 480
 ctactagact tcatatagcc caacatacag gacgacacag agaaccagag acaactgcc 540
 tgggaaa 547

<210> 30029
 <211> 535
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033a09d1

<400> 30029

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 aaattcatca tatcaaatct ttgggcaata tccggttaac cacgtgtttc agaaattcag 120
 tacagtatta ttacgtgcag agaacaaata gggttatata ttaactcaa caaaaacaaa 180
 taatatgaga tgtttatgag aatttcatcc acccaagacc gttgtgttcc ttaattaatg 240
 gacaaaagct aaacttagct caatttcttc tatcccaagc atttgagttt caagcacagg 300
 caaatttcca tcttatgaag tttattttgc acacatgtat cggagaatat actacctgtt 360
 agcaacataa gaagaaaaag cgtgctatca gctatagcta cagccatagc atcatattaa 420
 tttttgggac cgatgtcctt cagtgaacag atctgttctt ctccattgac agacataaca 480
 gaaaccacaa gatcttttcc ttcagaaaat ccatctttta atctgagcaa gcaat 535

<210> 30030
 <211> 587
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033a10d1

<400> 30030

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 tggatcacaa acgtcaagga actagtggca ttatgaagca caattaatca actgtataat 120
 atgcaaagaa acaagatgtc aactatattt caaaacgaaa actctaacca ttttcaaaac 180
 gaaaatcac attctaaggc tccactgtag tcacctgttg ccattcccca tctactgctt 240
 ccttcacaaa tgtcacattg ttgttcccat cagccacagc cagtatgttt cctgtcaatg 300
 accatgagac cctccaaaca ggggtcttga aatcattcaa aaccttgctt tcccactgat 360
 ctccctcttt cgccacggtc catatgatca ctttaccatc ctgcatgca ctagcaatgg 420
 tagatttagg aagccctaaa ttgggtgccc aagcaacatc tcggacccaa tccgtgtgca 480
 tctgaagagc agggaagcag tccatcttcc agagtccatt ggttaacttc cataccttca 540
 cagttttatc acaaccacca gagcacagct tctgtcagga tcaagca 587

<210> 30031
 <211> 589
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033a11d1

<400> 30031

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 acaccaggaa gaaatacaca aatcattta tgtataaagg gtttgtttct ttgataaaat 120
 accataccac ttgtatgtct gaattttcaa gtgctttccc tagtaagaat actaaatagt 180
 gtgtataaaa gaaatgacaa aagtcaacca tttgctttgt catctttatc tttggaaatt 240
 ataactgcat ttactttttt gacgtataca ttttgtcctc tccccaggat gactggcagg 300
 tgctgttcat cattgatcaa tggcgtgatc aatcaacttt aggcttagca gcttgaagca 360
 tctcaacaat gagagtcttc acatcctttc tatcttcagc acgtcgaggg aaaggtacac 420

gaagcttgaa agtatcacc tggtaaccag ccttaacatt gaaaccaaga ctatccaaat 480
ctagtatgtc ggcaaagtcc actggaactg aggtccaatg ctgcacaatc actttgttat 540
cttcagcatg atctttgttc atatgagacg ccaactggctt ggaaaactg 589

<210> 30032
<211> 568
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033a12d1

<400> 30032

gggagataaa tataattcat gattcagaga aaatagtcaa aatacagtga atcatacttg 60
tacaaacgaa aacacaattt aatatttgcc tctcatcaat aaacaactga aacagataaa 120
tagcttgact caatcaaaag tacttactgc ccaaattata tatataataa agaagtacaa 180
taaggcagag gcataggcac aacaccccct tgaagctaac actaacaaac accattcatc 240
ttgtcattgg tcttcttctt ctccaacaca aacttcttcc aaatggcagt gatttccctc 300
tgagtctcca taggattctt cttagcaacc actaccttgc cattttcttc tgcactgagt 360
gtcacagtgg tgctgctgat gacccttgca ggaagtgaat caagctcatg cagcaccttc 420
tccacatggg acacgagacg ctccgagagg gtccttgaga agtcctccct gatgacaaca 480
cgaagcactg tgacatgttg agcatctggg ggcattggtg atgctggcac tatccacca 540
aagcgcctta aaaagtctga gatttgga 568

<210> 30033
<211> 597
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400033b03d1

<400> 30033

aaactgaaat anatctttgc tttttaatct ccattaacca aaagcaaata catacttgta 60
cacattggat gtacaaaaaa aagttattta catcatagtg gttatcactg aaatactatg 120
tttggtcagg cattaaaaga aactcattat tgggattgag caggagatgc tgatgtttct 180

ccagtcttct cttgaagcaa cggcatggtg tttgaccttt caacgtttga tacttgatgt 240
 tcactgtctt catcaaactc atccacacta tgcaaaaata ttcctgacat aatatacaag 300
 aatcacgaca catgttcaaa aaacttctca aacgtttctg agaattagac atttatgatt 360
 tgattatgat tatagaaatt caatactaca tcttgaagat aactagatag tagacaagct 420
 aattttcatg tagccgagta acatccatca caggtataat ttgcttttgt tttaatcttt 480
 aagttggggt ggacattatt taaaggtgc tttattttat ttatgtcctg tagtgccact 540
 tctcagtatt aaatattctt gctctgacaa aaagtatatg tgaacagaat taaaaac 597

<210> 30034
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033b05d1

<400> 30034

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 acctgttcac ctcaaatgaa cacgttcaga cacttccaga ttaacaatat accagacgtt 120
 acgagaacag ctactgttac agtttactct aacaaatcgg aagagaaaaa aaaagactag 180
 agtacaagat atataattaa cccgaagcac tgtaacaaca agctttttcc gcctaggccc 240
 gatgaagctc tcagggatat atgtatatgt tatttatgcc aaatcaaagt acccggaacc 300
 ttggtggggg tgggccaggg cccaccggcc ttggagtttt tggataatgg gtaggactag 360
 gagggggtgg agagaagaaa taaaatgctc caggtggtag cggcgacaag aacggcaatg 420
 atggtggtgg tggaatctta cgatgcctat gtgttgagg agtatgct 468

<210> 30035
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033b06d1

<400> 30035

attcgcaat agaaaaacat ttttataaga aaatgtctga gatgttatat ctctttatg 60
 ggacattgta cagagaggag ctgttccagc cctctagtag acaggaacat aggacgaacc 120

atgcaaattc attttcacgc tcaaattaat ccaagctcaa gttaatatta ttggaattcc 180
 aaaattatta attgcaaggg ctattaacag tacaccacca tgaagctgac aaattgggtt 240
 tgaggatgca accctgaact tgatgtcttc cttgccacgt agtatgtact ttgttattta 300
 tttccaaggg agtttaaaag tatctttcca ccatccttgt tttgagcaat ttgcaacgat 360
 tttgtccaac cgtgcaatga cctgagaaaa tgttggcctc acaacagggtg ttggatccca 420
 acattcctcg atcaactctt tcaactctgg aggataatgg tttgttctga tcttgaatgc 480
 tggtcttttc ccttccaagc acatcagtct aact 514

<210> 30036
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033b09d1

<400> 30036

agaaataggg ggcactaagg gggattttta tgaaattttt ggaacatacg gaatatgcca 60
 ccatcctgaa atttaatagg gaactaaaat acaaatcgc cagaagaaaa gtactggtag 120
 aatagcctgt attagcatgt caatattaac tttcactacg caaggaacat caacatccag 180
 gttcgacttt ttgagaatgc aatgagggtc tttcttataa acgtttatag gaaaaaccta 240
 aagacaagtt tcttccgtca ttgtgaaatg ccatatgaat catttaagaa gggaccttgc 300
 aagatgttcc ctggctgggg ccaatgcttg acttaaagtc tgttcggaca aaggagctcc 360
 aaaatctata ctattactag caactttccc agctataaca tttggatcag tttcaagtgt 420
 gataccgcca tcaacaattt catcaatgca caatagaat 459

<210> 30037
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033b11d1

<400> 30037

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 aataatacat atacaccgc ctttctaacc aataacatta aaaaagagag agaaaaaaaa 120

gccacagata taaaatacaa acttgataaa atgaaagaat tggacctgcc cactgtctag 180
 tgtcttcatt gctacaatat gcaaacattg caagaggcaa cagcaaaatc taaaaggaga 240
 aactaaaaaa cactctccat gcatgcgggcgc tcacattcaa acttggacac taaccacagc 300
 tacgcccatt atataggccg aaagcaaaac gctatgataa gaacccaaac tatggtatat 360
 acccaataaa accacactat ctcaacagat aagagcattt taaagataac tgaggaaagg 420
 tatagcagct aaagaagcag acgtcactct ttcatttcaa gtttagaaca attcgtattt 480
 ctttttcagc atgtcttgc tccatcttgg caac 514

<210> 30038
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033b12d1

<400> 30038

caataccaag tttagtacca ttgataattc tcttagctct cataatctgt acaaaattta 60
 tgcattaatt tctcaagggc ctcttggtgt ctttggatca tgccggttgt ttgctcctgt 120
 ccctggataa tcattactct ccaaataaat ccttccctct accatgaact cttctgccat 180
 atctaacatt tcttctccat ttctcaattc ctcaacaccc tgaaaacat agacacaaaa 240
 attgtactca gttggaccct ttgcgccatg cagatacagg aactcttgaa ttttgggaata 300
 tattgcaagg attatataag attaaattat gttcatgagg gtctaaatta taaccttatt 360
 agatgtaatc tgggttgaga gtttttcttt gtttggcaaa agccttctctg caaacaatga 420
 aatttcaaca tagaattaaa tcaattttga aaattaaaaa agaaagagag atgaaacagg 480
 tccatgttaa tcataggaaa agtaatttaa t 511

<210> 30039
 <211> 502
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033c01d1

<400> 30039

atatatatat ggtctgaaag aacacatata gggacacata aaaaaggggg aaattcataa 60

aaaaatacag aaaaaaaaaa acagaattga gtaagaggga aggaaacata gagaaaattt 120
 tagcaatcag ataataagaa gccagtggta gtgcaaaagt cccttgccaa gagtgggtgga 180
 acccctttta gttaagcagg gaccttctcc cccttgagtg gtttcaccac ttcccatggg 240
 aagacagggg catctctgcc aaaggggtcca tatgcagcag tcttcaagaa cctgccattt 300
 ccacccctct tgagatcaag gttgatggag atcatgccag gcctgaagtc aaaactctcc 360
 ttcacaatgc tgaggatttt cttgtcaggg atcttcccag tgccataagt gtcaacaaac 420
 acagacaagg gctcaagcac accaatggca taggaaactt gcacaattgc cctcctagca 480
 agttcatttg caacaatgct tt 502

<210> 30040
 <211> 600
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400033c02d1
 <400> 30040

actctccata cacaattttt ggccaaagac ccagtaaat gtgattctga ttacagaat 60
 actgcacata tttgtctacc tcaggtgcag tcaattatga agcaaaaagg atgataaaaa 120
 cactactgta ctgcaagaat atgtctgcct tatatcctag ctctgaatcc tagaatacat 180
 cacttggaat attttgtaa gttcactata caagggatat gctacatagt gcatgtgatt 240
 tgagctggga attatagtta tgatgtcata gcagcctacc atgatttcaa tgttcatgtt 300
 ccattctggc aaatcgaccc ttgactctta ccctgcttcc tgccogaact tttcgtgatt 360
 cataccttat gtgtttgtca aatctcctag ttttcttctt ctgcttgtag cgtaataatg 420
 cagaatctct ttcttggtt gttaactcac atgtgcagc tttgggagta gttgataggg 480
 tttcagattt aagagaaatg gatggttttc cttcattgtc accgtaggtt tgagtttccc 540
 caacagcaga agtagaatgt ttaaattggaa ttttttctga taaagtctca ttaatgggtc 600

<210> 30041
 <211> 591
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400033c03d1

<400> 30041

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 gtcttaaaat attagaacca cataggcata aataggaagg ggattattat agaccatcac 120
 catgtctatc cgtgacaatc acattattac aggggtgaggt caggtaaggg tgcattccaaa 180
 tccactctca aatagtatat atatattatt aatttagggg agagagaaaa aaaaacaatg 240
 ttcaagttga aggagattga gaagcaagaa aattggtgaa gtggcagcgt ggcgctatgg 300
 aatggagcag caaccttgca gtgtgatcct gtttgatgac cggcccttcc ttcttcacca 360
 acaccgccgc aacaatctct tcataatccc caccgccgcc ggcgatgaag gcgacgatgg 420
 cggcctgaag cgggtcccaag ctgggggttat aagcagcgga ctcaatgtaa gagcctttaa 480
 aaacattccc cttggaatcg agaagcgca cgccggaggg ggacgcgctg taaggcgctg 540
 gagagttatt ggccggcctcc aacgccgcaa tcgcaagaga cgtgaaatga t 591

<210> 30042

<211> 523

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033c04d1

<400> 30042

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 gatagaccaa ccaaacta agcaaccata cttcaaacac tcgcaacaaa taccctagaa 120
 catttgaatt tgcaaattcg agccatgatc actttattaa acacaacacg taattcttat 180
 tatttgttga tacatatatt acagttatct ctgcttcaag ggtataaatc ttgacctcac 240
 ttgcagttgc atgggtcgca ggtgcagctt gatccacagt tgcagccacc gttctcagct 300
 gcaacacca tttcagcacc ctccaattgg gccttcacag acccaacacc caaaacaaga 360
 gtctctgtgg ttgtcttctc aacatagctc aagtcaaaag agtacttggt gcaaccgcag 420
 ttgctgccac agttgcagct acttgcacac ccacagctag acattttcaa aatcttgga 480
 ttaaatcaca cactaaagta ctgaagaaca cacaaaagat gat 523

<210> 30043

<211> 394

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033c06d1

<400> 30043

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tggggggggcc aacccccttt cttgaggggt tcccacaaca aacccaaaaa aaaaaaggga 120
gggggcccccc cggggaaaaa aaaaaaaggg ggggggaaaa aaaaaaaaaa aaaaaatttt 180
tttttttggg ggggtatgag gggggaattt aaaagatcct tcaaggggaa aatggggggt 240
tacaccccg gcggcaaaaa aaaaaatttt ttgagggggg caccaaaaat aaaaaaaggg 300
gcggggggata aaaaccgggg gagagggaaa aaaggggggg gaccacaaa aaaatgcccc 360
ggggcccacc cccctcttca ccggggggaa taaa 394
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<210> 30044

<211> 524

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033c07d1

<400> 30044

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atcacaggat gatgctctct ttaagtaggg aagcagatct tatcagtaca cataggtagg 120
ttgaaattct agctctagca atctagctag agaaggtygt gcttgacaaa cacacagcac 180
atgatgattt attttataca caatctcatt ctcatggtgc tcaagatgca tggactaatt 240
aagcaacaat gttggtctga taggcagtgt ccacagataa attgggtacc cataaaatgg 300
ccttgcttcc aaggaaatgg caaacagggt tagttccagg atcaactccc ataagttgat 360
gaagcatttg atgattcatt ccagaaggat ttgagtggca aatagcaagt gcctgagttt 420
tggtttcatc accagccacc aatggaacca tgaaagctgt tgtttcacgg acttcatggc 480
agtaaaatac tgcagttctg aaatttagcc tatgacacat cact 524
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<210> 30045

<211> 552

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033c09d1

<400> 30045

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 acacgcagac acgggtgcct agctcataca aagttactcc cctaattgag aatatttatt 120
 tcctcaatgg ataaataaac aaaacggcac cacgtttgat gaaaaagctc ccaggattcc 180
 accacatata atgccacat ataccgatca ctgactaggt acatcaaag aaagaatcaa 240
 tacagggtcca aagctatata actcctcggt cttattaatg tgattttaga gcatatcatt 300
 cctcatcatc cagccacgag aacgagaaag ggtggaactt gtacccatcg ccctcataaa 360
 acttgttttg aaactccacc cagtgaagac gtaacgcatg caaaaaggca ctgagagttt 420
 ccatgacaag taacactccg acggtagcaa aaatgaagac aatgagaccc actatcagga 480
 taaaaacatt attggacccc catgccatca tcagaacctt ctcatagaat acacttgata 540
 actctgaatg ag 552

<210> 30046

<211> 573

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033d03d1

<400> 30046

gtaaaattac gggtttataaa cgtttccttt tggagccaaa catgcagata caatgggcac 60
 aatgcagtac aagttggata tacagcacia ctccttggtt gcccaacata gctgtgtca 120
 tatctaggct attaagaaac gctttaattt atgctaact tgaagacatg cactcactac 180
 actgatttga atagtgtaat ttccgtgtcc atgtacattt ctataatata tttagaagaa 240
 aacaaaaatt ggaagaagga taaaacataa tattaataag aagcaaggag ctgggggaac 300
 ttcatgagac taagattccc tcacatcttt gttctcatta ttatgggtgtt gccacatttt 360
 cctttgcctg tggagcaatt tcttctccat cacttccagg ttactgcca ggaactccca 420
 ggcttagcag cacttctccc cacttcttag caggccccctt ccaagaaaga tcttgagcca 480
 tgcagttctt tattatttct gtaaaagctg gagttccata gactgcaagg gcccttttga 540
 cagtctttgc tatagcatcc acatcagctg gat 573

<210> 30047
 <211> 465
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033d05d1

<400> 30047

ggtacagagc agttttttat ttagtcgtaa cagtggaaat tacacgttcc tatatattct 60
 taactcaaac tttggtaatc caaaaaccac aagtctcact agtgtattaa tagcatttcc 120
 cgcaacctaa aattacagag ttgcagaata caagaaaatg aacaaggaga aggggaggac 180
 aaagtccagc attggcgagg ggcaagtaat ctttatcagc aaaatacagg aagccaaaaa 240
 tgtagatata tgaggacaaa ttgtcactaa aataattttt ttcagaaaag gaagctcaat 300
 catcaacttc agctttaatc tctctcagca agtcgtcctt gtaatcctca aatgttctctg 360
 ggaaattttt gacagtacca tcttcgacaa cccagatttg actcctttct tcatcctcac 420
 atacacgtga tatcaattct tgaatcatga ctaaacagaa caact 465

<210> 30048
 <211> 395
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033d07d1

<400> 30048

agggaacaag ggcccccttt ttttttaagc ccccaaagag aaaaccacct tggggagtct 60
 ttacatgac ttggggggccc acaggtggaa caacataaag ggaagcttgg gccctttttt 120
 ggaccctttt ttttacattt agatagaaag ggcccagctt tattgttggg gggggaagga 180
 acttctgaat gtttttccgg ggatttggaa gcttaaaggg cctgctttcc cctttggggc 240
 cctccagggg aacctccat tgggtccaa agaaccaac aaggggggat ccctgcctta 300
 tcaggttttc tttccctggt ggtttgaag aaaccgcatt tgggggggaa ggatcttggg 360
 gatccttgaa aaataatttt tcccatgggg ggggg 395

<210> 30049
 <211> 496
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033d09d1

<400> 30049

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atccagaata tcgggcaaat ccaaataatg ctggattgtc acatagtcta cataacctgg 60
gaaactaaca gcaatcaa atgttcgcca tttggaattg gaatttgaat acaaatacag 120
ggcatcaata atataaccct atgtacacag ccaatatctg actgaaattt gatacagaat 180
agtatcaatt tgtatcataa taaaatggca cagagaaatt tatgtgaagg taaaggggaa 240
gtgtatcagc tgggggtttta attcttcgtc tttcatttac ttcattcattg gtccttctct 300
gcacgttcac atttctctta tctgcttaag cactgctgac cttgttctta cgcccaaagg 360
tccaatgggg tttagccgga gtacgcctca atgccttcac tccgaatggg ttgttcttgc 420
tcttgagaca agttccagca taagtgttgc agatgggata gtcgttaggg cagcaactgt 480
agtggtcac acagca 496
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<210> 30050

<211> 500

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400033d11d1

<400> 30050

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ggggactaat gatctgtgtt aatagggatc atatttaata ccataaaactt gtacacaaaac 60
atattttaca gtgtacttac actccagcaa atctaaacca agagtctttg atatgtgcat 120
ggaagatatt ataagtagaa acgaaataaa tcacaccagc cacattttcc ataagttcaa 180
ttgcatgtcc aagaacataa gttttgaact gataaattat ataaattaat aagataggta 240
gaaattttgt agtggcagca gaaataggaa catctttgtt gtgagtaccc agtttttaggc 300
taaaccgggc actagttttc agcctttgct tcaatttttc attattttga cttgaaagga 360
atggccctga gcactatctg atggtataaa gctgcaagtg ctgcccacat aaaaggccct 420
accagaaga tccaatgggt atcccaagct tggtccttgt tgtatacaag ggctgcacct 480
aaacttctag cagggttgat 500
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<210> 30051

0053113-032200

<211> 514
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033e02d1

<400> 30051

aagcactaaa gacgtggata acttgatatt attttattac atacatgcat agatagcctg 60
ctctcaaata agtcggcagg aacaaagata gagagattca acgatcttca aatttcacat 120
ttgccagaaa tatataacag aaaagagggg tatgggatat gagttaagtt ttgatcacat 180
tcaactacac tatcccaaac cgttactctt aagactttga acttcacttg tactctagga 240
tcatgttggt ctcaggagct aatccaacac aagccctcag gatgttttcc agcatagctc 300
gctgctttga caacgcattc accactgggtg taccgggtgg aaccagaggg gccttggtca 360
ggtaactaag gatggtcgca actgggtgga atgagtggaa ttttccctca ttttcagctt 420
taaactcgat tcgagtgtg agctcagcaa gaaggaccaa gtccaagata ataggagcag 480
ctaacagtga atcctcacat gtgttggtgca acac 514

<210> 30052
<211> 563
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033e04d1

<400> 30052

agaaaatgta aatgctttta ttcaagagaa acaactgtgc attacattgg atactgctct 60
caggactatc aagaacaaag agcatcatca tacagttgac gaaggtgact gcaaaggtga 120
tgtcaagaca gccaatTTTT cagcaaaaaa accagaaata aaactgataa cttcccattg 180
aacacaagaa acaaatgctt ttactcatg agaaacaacg agcacttggt ttccaacatt 240
gcgaccgcta aaaaggccaa ccaatgctga aggtccattc tcaagccctc cagctatgtc 300
ttccacatac acaaccttcc cctctctgat atttggcagg agaaactcca agaacttggg 360
atataggtga acgaaatcca tgaagttaaa gccttgcaaa cgaatccgct tatatatgat 420
ctgtgccaaa tttgttacac cttcatgttg agtaagatta tactgtgaga tcattccaca 480
gacgggtatg cgaccacgga ctctcatggt caggagtacg gcgtcaagtg tcttgcccc 540

acattctcaa agtaaaccatc aat

563

<210> 30053
<211> 496
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033e05d1

<400> 30053

atatgaaact tatcttccaa tttaatccaa aggaaatatt gggccatatt aaaatcaaag 60
taaaactatc agttgaaaaa gattcccaag aaaagaaaac taatgtttgt gtgatccaca 120
aattcgtaca aggcattcatt aaataccaaa ttaaatccag aaaataccaa aatcaacagc 180
cagtagtcta gtaacttctg cccagtatg tccactttgt tgcgggcttt cctgatgcaa 240
agcacttggg gccttctggg agttctggct gatcaaagg gctgcaaaga gtcttagctg 300
ctcccatctc accctttgtc ctggctttga catcagcctc cacctcctcc tggtcacacc 360
aaggagcaaa gatcattttt ctttggttca aagcttgac aaattcatcc caagtgtgta 420
tgatctgaat gcattcatct cgtttttgtt ttgcaacatc aaacaagttc tgttgaattg 480
tatcaagcaa cttttt 496

<210> 30054
<211> 457
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033e06d1

<400> 30054

gatatgaatt ctttcttcat atactgatca aatgggaaaa gagggtctc acttccaaac 60
ccaaattgaa aatgggtgtg aagtataaaa tctgaaaatc agaattgaaac tagttcctca 120
tcagaaacga ttctataata gttattcact ataaccttta aagtataaca acgtctgtca 180
caagttatga gggagaaaaa acaagctata aattatgtag tcacttctgt tgagaagtct 240
aactcactgg ttctcagatt ccccgagca tttcttggtc cagctgcctg aacacgcttt 300
gcgctccccg cgttttcttt tggtcttgag aatgttccca tctctataca tacaggactt 360
cagagttgat tgctcttgag aactgcagg gtttggttgt gccatatgaa tatctgacat 420

ggggatagga acaggattca agactttcttc ttcccc

457

<210> 30055
 <211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033e09d1

<400> 30055

gttatacatg ttattatgat tctatcatct ttataaaagt agtacagctt tgggtcttga 60
 gaagtgttgt tccttgtaac gacttaacct cagatgggac aagcaaatg aaaaaggcta 120
 taagatcatc cctcatccct cacggtggtg ctgttacggt cccaccacc caatccaaac 180
 cagattgccca tcattattca aacaaagtgc cataatttta acccggaat taataaattt 240
 acatacaagt gaggagataa gcttaggatt cccaaggaa actgacaaac cctacggtcc 300
 cgattgctta ataatcgtga atgggaccca atctacggac aatatcaatc cactcagtgg 360
 aaagtccaaa gccaaattta ccttggttatt attaccatca cccgctgctc atggatgccca 420
 ttctgtaca cgtgtcacct cccaccgta tacggcgagt caaaccagat tcgttcactc 480
 acccaaattc tgccatacca gagagcgccg acttggaacca gtttggggat c 531

<210> 30056
 <211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033e10d1

<400> 30056

gagaaacatg ttttttttat tctatcatct ttataaaagt aggacagctt tgggtcttga 60
 gaagtgttgt tccttgtaac gacttaacct cagatgggac aagcaaatg aaaaaggcta 120
 taagatcatc cctcatccct cacggtggtg ctgttacggt cccaccacc caatccaaac 180
 cagattgccca tcattattca aacaaagtgc cataatttta acccggaat taataaattt 240
 acatacaagt gaggagataa gcttaggatt cccaaggaa actgacaaac cctacggtcc 300
 cgattgctta ataatcgtga atgggaccca atctacggac aatatcaatc cactcagtgg 360
 aaagtccaaa gccaaattta ccttggttatt attaccatca cccgctgctc atggatgccca 420

ttcctgtaca cgtgtcacct cccacccgta tacggcgagt caaaccagat tcgttcactc 480
 acccaaattc tgccatacca gagagcgccg acttggacca gtttggggat c 531

<210> 30057
 <211> 477
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033e11d1

<400> 30057

ctctcctagt agtgtttttt aaacaatggg agaaaacgtg ctttgatgta atgtggtaaa 60
 tagaaaaaga aaaaacagtt ttacaaaata tcaacatggt tgatgactct tgggatgtat 120
 acaacaagtt gcccttctac ttagtgtttg tctttataca ggagctatct ttgaacacga 180
 aattgagtct acactacttt cttttttttt ttaaaaaatg ggccagtgcg agatgaactt 240
 tttgaaaatc ccctctttac aggatttggt aaaactaata ccaatgttcg cacgaaggga 300
 tgctgtacag tgccatcccc aatttgctg tcaatgagga gccaatcatt ttagccaaag 360
 gaacttcaaa agcaaatccc catacctgaa gggcattatc atagtgccaa tgatactagt 420
 ctgttttata cagaattcta tttgattcac attgaacgga agatataaca tgatgcc 477

<210> 30058
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033e12d1

<400> 30058

ctgggtcaaac ttaatttttag tcattactta tcatcattgc tacacctaac atcatagata 60
 tgcccaaatt aaaaaaaaaa attgaatata cccgacaaaa ctcgtaatat aaacctcata 120
 gccattatct gggggatttt attttagggg ttatttaatt ggacaatttt atattttatt 180
 tcattcgggg catattatcc tcaagccgct ggtgattggg taattgcacc caccatatcc 240
 agtgctacgc agggctgggc agtaggtaca aaatgacccg ctccaaggat ccaatagaat 300
 tgtaggtttt tgtatgactt aaaaaaccct ttgggcgggt tggcacttcc acagaagagg 360
 ggggttgctg tctttctcca agaaattttg aagccctgtc cactcgagtt tttaaagcca 420

agcttcagtc cccttgggtg cacaaatgag atccacttgc ccactgtgca c 471

<210> 30059
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033f01d1

<400> 30059

atggaacata tttttgaatt atgttatcaa attctgtaca caccccaata ttatgggttc 60
 ttatcttaga aataccatcc accttcatac acaacaata tctatcctat atacaaacaa 120
 aaggacacca agaaccaatg catgggaaaa aaataaaaaa taaaaatata tccagctgtg 180
 ccagcccctt tgccatgccc atctgaggta ggcaaaaatc caagaatcta aaaagctatg 240
 gaggaaaaaa aaagctacca atttataaat cccaccaacc caccgaattc ttgggggtcat 300
 gtctgttggt caccctcttc tttcttctct tgaatcctga atctcactcc tgtctgtgtc 360
 agaatattcc ttctgggact caatttctcc actaccctct cgatttcttc ttcggtgtct 420
 tcggtcctct cttggtaaag ggtattcctc tgactccaac attcgtacaa cttggcccat 480
 cttgggcctt ttctcagaat ctggatctac acatcttaca gcagt 525

<210> 30060
 <211> 382
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033f03d1

<400> 30060

ggggccatta gggagagaac ttttttttaa agctaattaa cttagctcgg aaaggggcca 60
 tgccgacttc aaaaatgcag ataaattaaa ggtttatacc tgccctttttt aaaacaatta 120
 ttgaagtttc atttggactc gggggcctta tttcacacca aattatgctt ttgctaaaaa 180
 ttaattgaaa ttaatcgagt ttttgggctg cttaattata ggaaaaaaga gcccccaaaa 240
 tttttcaaac tctggctgct tctgattttc atcaaacatg gcaaacacat aagtttcaag 300
 gggggcccca ggccttttag gggttccttg gtttacattc cgaaccaagt ttgggggtgga 360
 agttcttgca ttatcaaggg aa 382

<210> 30061
 <211> 536
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033f09d1

<400> 30061

gctatgtaat gactttattc atttgataaa gtaaaaaagg gaaggaccta gaacaagttc 60
 cttaggtccg gcacttgtca accattacct gcccttgga cgaaaatttg tgatcgga 120
 atacagaaaa acaaacttat ttacttgaa tttcttttat caccattaac aagacagtca 180
 aaaaaacata tattgtgacc tgagaataaa cactacttta gtgtcccagg ctctgcttta 240
 tgtatataag gatgaaatat taaaaatgta gctatatatg gggggaacta agagccatct 300
 ctgcctttgc tgcacagat agctgcactt cccatgaaaa tctagcttaa ggaagtttag 360
 tcctcatcac tatcgtacac aaccgccatc cgccgatggg tggttgtttt ccttgaggga 420
 gagtcctcat cagattcaaa tcccttctt ttggcactgc ctctaaactc cttgttcttc 480
 tgctttgggt cctctcttc ctctcatct gatgcatcat taactgttc agcttc 536

<210> 30062
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033f10d1

<400> 30062

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 aactcatgta accctgccaa taaaccatca cccctaaact ccagcaccag cagcttgctc 120
 acttcaatac acaactccca gaatttctca tgcaccacg tggcaagcac gctgatgtgg 180
 agccaagtgt tgtgcttaca cgtaggtgta cctccataa tacaacaaa gacttaagca 240
 tcatataata atattaataa agtaactaa agaaataaaa agaaaaaaaa aaaagaggct 300
 tttcaacatg gcatgcaaaa tggtagacct gatccccaca actaggacca tttttaact 360
 tggttttctc actcactg tccataggct taagcttcag tcttctcaac aggaacctct 420
 actgggggtt caactgactc agctgggttg ttctcttct ctgtgggtgc tgggtgtgct 480

gctgctgctg attctgttta gtagtttctt taggctcttc tgcttcttct tt 532

<210> 30063
<211> 442
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033f11d1

<400> 30063

ccaggaaaag aaatggttgt ttcaaccaa ccaaatgggt aacaattcac atttttttta 60
caacaaaacg ggataaaaaa aaaggaattt tacatatttg gctagccttc atgcttttat 120
ctcaaccttt caaggaaggg aaaccccaa accaagattc ataaaaggaa tggttaaggg 180
taggaaaatg aaagtccctc aaccacttgg ggggtttttt ggggggttcg tataaatagt 240
aatttccttg ggccatcttt catactccat tgggataact aaaaagcctt tcctgtgtcc 300
gattgatggg ccaaattcat aatactttgc cttegcaatc cacatttggt ggaaggggct 360
gagggaggcc aaaatagagc ctccaatcca gacactgttc ttctgtttg ggggggctac 420
caccttaatt ttcattgctac cc 442

<210> 30064
<211> 506
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033g01d1

<400> 30064

aaaaagcaag ttatatcagt tgtatacatt gaggaagta ttgggtttat atagtctgta 60
attacgggct tgtcataatg tgtatggacc agcccatcag cacagggtgca taatatacaa 120
tggtcactat tgctttaatc cgtgatcttg actgttggat ttcataacct attacacaac 180
tgattgatag catgggctaa acaaactgca gcatataaat atggcaccat tttctttccg 240
tgagtaatgt agctgggtact gggtttatca acaagaacaa cattaacctc acatagctcc 300
atctttgctt gaactctgct ccatgtcagt ctgatcttgc catggccact tcagattaga 360
agatgaggag cactgctgtg gaactgaaaa tgaatatgag cttgtactgg cacactgctt 420
cttacatgat gaaaaatcag ctggggagca aatgacttgg tcaatgcttg acatgccagt 480

atctttgtta tgattctgag agttat

506

<210> 30065
<211> 489
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400033g06d1

<400> 30065

atatgaatgg attctcccct tactgattgg acaatttatg ttacactatc caatacatca 60
tcatagaattg acattcaact ctaattaatc cactctacaa tggcacaatc cataatTTTT 120
gtcccattat tatatacatc aatcaaata gaatgcattaca caaccaacca cacttatgtc 180
ccataatagg cttccttaaa gccaaagcaa tgaacaattc aaagaaccat ccaaagctca 240
aaagaagcat ttgctttgca tcaatcacca cgctatgtgt tggctttctgg atctggagat 300
tggaataac gttgagccaa ccattgaaag ggtctcaaga gttgagccct tttcttgccg 360
cagaaccaa tggcagcatt gtagttttca ttgcgaatct tctgagtggc tgcctctcaa 420
tcatacttct tcactctcaa acgtgcagct tctcccatgg tttctctcaa ctctttgtca 480
tccaaaagc 489

<210> 30066
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400033g07d1

<400> 30066

atcttctaaa ttttacattn taatttatac ggggggataat ggggggctat agatttttgc 60
aaagggcaaa ataatcatca aaaaagcgag aacctgttat ccgccggtta acacacatac 120
tataaaacgt gcgacatgat cctagctggg aagataattt cggccaaaaa aaacaaccta 180
tttttgtaa ccaaccaaca tgcagcccat aggggtgtcc cctgaaccaa aaaaaccata 240
gcacacccca ttggatgata ggcacccac aatataaagg ctaagtcaaa gaggtaacat 300
aaatgcaagc ctgagactaa aactagatgg ggggagggga ctgcgattag cacttacat 359

<210> 30067
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033g09d1

<400> 30067

atatggacaa atgtatTTTT gtagtgTaca agtgactcag ctTgggcccc tcagaaataa 60
 acaaatctca taggatgatg caagaatgcc aaaaaataa gagaaagaga gaagaaagag 120
 gcttcttacc tcaatctttc actgtaacca aaaagaaaag aaatgacgaa actagtggcc 180
 ctaattctgt ctgtctaaac tagtgctatt ttacctggca ctggaatctt tttgggaact 240
 ctccagcttt gcaagccagg gctatgctct caaaaatac aagtggacag ggtgggttta 300
 cctcactagc ctacacacac atatactcat gatcctcctt ttcccacaaa aggtaatgat 360
 ggacacaacc caccaaaaat ttgggcttac ttggacttgg aaaaaagaaa caaagaacag 420
 agaatggggg actctagctt tcttgTccac cattggatgg tcccctctcc a 471

<210> 30068
 <211> 597
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033g11d1

<400> 30068

aagggggaat tctttctcat agagtttgag caagcacagg ggcaaggact agaaaatcat 60
 aatggttctt tttgaagtct gctggttatt caatcatata tccttttgac aaccttttga 120
 ttgtcacaga agccctatct tatctatgat gattagtcag cagtccaact ctgctcaaca 180
 atctcacgta ctcttctgtt gtattcacgc ttgttttcac tgaacatccg agcagcttca 240
 gaatttgctg gtgaatttgg gtttgatca cacagcaatg actggattga ggtaagaatt 300
 gcagctacgt cataaatagg gctccactga ttctgtaaaa tgtccaagca tatactgcca 360
 tccgcataaa tgttaggatg aaacattcga gaaacaaaac gcacagtagg tggtttatta 420
 ggataatcct ctgtaaaactg aagtgtcaac ttaaactgac ctccatccca aggggtgtca 480
 tctgggtcaa agataacagc attccaaagc ataataattat tgtcttgggg agccccactg 540
 atgccagcag gaggatcttg gggcaatctt taaaaaccct cataagctct ttcttgc 597

<210> 30069
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033g12d1

<400> 30069

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 gatgtccgat ttcaattgct gcaatgcatt tacaagctct ttgttcccc attataaaac 120
 tatacccggt ttcttaaaat aaaattgaag acaacatttt gatttactat atagttgtaa 180
 ctgatcaaca agttttgaag gaaccattta atttattaag caaagcaaca aaaaggaat 240
 agaagtgaca aagcaacttg tatcgtatgg tagttatagg tcatcgggaa caacaagaaa 300
 agtaggtttg attttgctta gatgttgcatt caccattggt gacgaggctg accctggtga 360
 cagataactt tgccttgat gtttcggagt tgagaacctt cctgactacg ttggtgtata 420
 tctctcgaat taccatctt 439

<210> 30070
 <211> 602
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400033h01d1

<400> 30070

ctgtaacaaa tgcataatt gttctaccat agaagggaaa cgaggaagaa attgggaatt 60
 tctaaacacg acacaagaaa tttgtgattt tacatattat atacataaca cccaccatga 120
 cgggaaatca tcccctggga acagccataa caaaaaccat cacgttgaca gaatagacta 180
 aacacagtag aatgaaactg gaactacatg tcttacaaca acatatagac gaggggcca 240
 aacaccataa cctgttctact ccaaactcagg tcaaacttga ttctggatag tttttttcaa 300
 gaattccctt tcaactttata ctacgatagt ctttcgcatg aatctctga gtaaagcatg 360
 ctggttactc atcttcgtgc ttgattgaaa cttggggggc acctatccag gtccatttgg 420
 agcaacagaa taccattctg cttttaaata tttcacaacc ttttcatcta attcttctt 480

atttctccac ttctacttct aggaacagaa ccatacttcc cagaatgcac tcctaaagca 540
 tgagcaaaca ttctctttgc agctcctaag ngctcncttt ttatgtagnc ttactttaca 600
 ct 602

<210> 30071
 <211> 545
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033h03d1

<400> 30071

attaaccgta tttttctttt tttttttttg ggtttttttg ggtttttttt attttttttt 60
 tccttttttt tcccccaaaa ggggcaattt ttcccccca aaaaatcaaa agaaaaaaaa 120
 ccccttggg gtttccgacc ccttaaaaag gaaggggttt gggggctaaa aaaaaaccca 180
 cccccattt ttttccgggg gaaaaaaaaa aagggggcgg cccctccca aaaaaaaaaag 240
 gggccctaaa aaaaaaaatt ccccccggtt taaaacccca aaggcccccg ttttttacct 300
 cccaaaaaaa aaaaccccct ttttttataa aaaccggggc ccccccccc cccccctttt 360
 tagggggtcc cccctaaaa aaaaacttcc cacccaaaaa acctattttc cttcccaacc 420
 gggaggggaa accccttgg ggcccacccc acaattgggg gagcggtttt aaaaaaaaaac 480
 caaaaacctc tggggccccc caaaaaaaaa agggtttttt aaaaaaccta aggaaaaacc 540
 ccccc 545

<210> 30072
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033h07d1

<400> 30072

atcacaaatt aaatccactt ggacttcac agagatatta ctatcccctg gttgatcatt 60
 cagcttccca aatcaaatta cctcaataaa attaatttag tccaagctac caaaaaggac 120
 taacaaaaaa taagaacact aatttacata gaaagctaca gctactgcta ccaataatag 180
 tacagaagga actatcgtag ttcacgcca actttggatg atagtgccga cagaagctgt 240

tcttgcggtg aaaacttggt tcccatgttc accgtggcctt gttggatcat caaatcattc 300
 accacagaca cgctggcggtg atgcacttcc aagtcaagat ctttcaatgc tgccatcaac 360
 ctggctgcag ggtggttctt cttgctgcat tggattctta ccattgcac ccaaccaatg 420
 atcttcacct ctaactccaa atcagcgagc ttgcttggtg tcttctttgg ttctacgcta 480
 ttagatggag gcggtcctgg tgggtggt 507

<210> 30073
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400033h08d1

<400> 30073

gtaatcaaat gatgtttaaa gtttagttta aataatctag tacggggaca ggttaaataa 60
 atcaatcctt ttacaagtta aaatcaagac atatttttca acatttggag aaaatagatg 120
 agagaattgg tttacttcta aattttcctt tcctataact tggtgaaaag ttcattccaaa 180
 ttcagcctga ctttatctga caagttgcac acaaaagatg gtgattacag gaaaatcttt 240
 ggtaaacctg tttccatgga atatatcttt caggaagaca tggataaaac tacacaactt 300
 tgtcatgcta tttcgaatac tttgttcattg atacgggtgt ttcacccttc tcactctcca 360
 ataactttta ctcctacgc caatcttcta attttgctag cttttccaac tgctctggct 420
 tcagatcttg ctctgcactt ttctgctcca atgcttctgt aagtccaatc ttctttttga 480
 gagcacgaat tcttttatca atatcttgag cttggggcga atcttgcaca gcgagccgat 540
 ttacct 546

<210> 30074
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034a01d2

<400> 30074

aaaaagggaa catttttttt tttttaaccc cagcgggggc cccccctttt ttggaacatt 60
 tgttctccca cccccaggg ggggggggaa ggacccaaaa aaatgggggg taaatttacc 120

ggttttttttt tttttttttt cccttttttat tttaaaaaaa caccctggga ttgggggtccc 180
 ctttccccctt tttgggcccc cccccatttt ccgggttttaa acttgggggc ttcaaccttt 240
 tggaaaaaca actttgggtt ttg 263

<210> 30075
 <211> 61
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034a03d2

<400> 30075

aaaaggggcc ttttggtcc atatgggaca acaacaaaa cccttttggg tttttttttt 60
 g 61

<210> 30076
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034a04d2

<400> 30076

agcaaaaaaa gaagacccat aatcattaga attcgctcta aatttaccaa gaagctcctt 60
 ttgaacagaa gaaaagaaag gtgaatactc ttactacccc cgtccacatt ttttagtttg 120
 gtctatttat tcacacaata atcaaccgaa ggtggaacct gctgaaatat gaacaagaca 180
 tgccccatcc ctgaacctac tacctttaag gcccatctgg gttatggaca tgttctttca 240
 ggccaaagca aaaaaaaaaa ggggcttttc attcacattt tatttgacta atcaaataac 300
 atcagatggc actggcgagc cgtttctgga gcaacttcta ccacttacgt taggtacggg 360
 ctcatttttg cagtgccac tacatttgaa ttttgattca caagtttggc atttca 416

<210> 30077
 <211> 381
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034a06d2

<400> 30077

gacagcaaaa aataactctg atgttttacc ataatcaaga aattcataca ttgtatgttg 60
 cttgctccca acgagtactc aaattaggag gggttaaaaa atgggtgcgat cgacggcaat 120
 gaataaaaac ggcactttga tttgtaataa ccagttcagt tacatctgaa acagaatgct 180
 ctaatgacat tataacttgt aaattgttaa tatggatggg aatattctgc tctacaattc 240
 aagggctgca aaggttcttt aaatcctcct ccttagcata ccaatttggt attatttttg 300
 aaacatgagg attaagatcc ttgtaggagt tcctaattgt tccttttgca acgcctgtgg 360
 catgtgatat atctctgaaa g 381

<210> 30078
 <211> 332
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034a09d2

<400> 30078

ctcgccgaaa agaaccgaca acaatagggc aggcaccaga ataaaacaca aggcccggta 60
 agaagaacaa acaaaataaa aaaaaccacc accaaaaaga ggaaaaaaca gaaaaaaaaa 120
 caaaaacacg cagtgtcgaa agagaaaaga agggggagct gccacaaca gaaaaaaca 180
 gagataaggc tggcagaaac aacggagcag cggagtataa aaaaaaggga caacacgcat 240
 ggggggtgcca tgggggcaca caaggggtgag ccccttgctg agggcccctc caaaaacttt 300
 aacaaaaaaa gaagagggggg gacagaagaa aa 332

<210> 30079
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034b02d2

<400> 30079

caaactctaa acatatttct tttatgcaaa tatatataat cagaagagca attacaagat 60
 gatagtagtt tcacgataat gcaaataata attatggaaa tacttttggt acataaaaaat 120
 cacgagttga taacaacgtg cttagaatta atggatga tatgattgtt acgttattaa 180
 ttattatgat cctgttatta atagcact tactattctt gatagcgaa aggggacact 240

tgcacatcta ttgtgcattg aagagtagt

269

<210> 30080
<211> 419
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034b03d2

<400> 30080

gatactgatt tgatgtttgt tgaatcacag ttcaatcata ggactgccat ttactaaaaa 60
cgaacaatgt cctctgagaa caagtaatat gaagtttaca tccatcatta tgcaaatttg 120
attcccattc caaccagaaa ttcacctcta cgatgaattt tacaccatag tatatttcgc 180
gctaccata aaatgcaggg gcaaaaacag aaaaagaaaa tagatcatat tcatcattat 240
cagatacttt gaatggaata aaccaattt aattatcttt attatgggag cctatttatt 300
aatctttttc atcaaataaa tctaaagcta atgatgttca aagccaagca gggttcttaa 360
aggatgtaac aacaaccttc acttgcaaga tggtttttga gaccggattt caacttttt 419

<210> 30081
<211> 374
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034b05d2

<400> 30081

gggggggtca caaagcatag cccaatttgt ttcattcttg ggacatgggc tacatgatat 60
ttttattaca ggggtgggttaa aaaagacccc cttaaattttt tatcccaatt tacataaaac 120
ccaatccata cccttttttg ttttgaagga tccaaagctt atgcaaattc ctctctgac 180
tgctatttgg ctacatcaac taactgatgg gcgaggcaat cttttggcaa tttcttgga 240
aaagcaacat ttcaatgctt aagcctaag gaatggccaa caggggggat aaaattcata 300
atgatttttc aaaaaggggg gatgttgaga atagatgaac tcctctttgc ttaagggcat 360
tcacaacaat taga 374

<210> 30082
<211> 528
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034b06d2

<400> 30082

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ggataacttg atattatattt attacatata tgcataagata gcctgctctc aaataagtcg   60
gcaggaacaa agatagagag attcaacgat cttcaaattt cacatttgcc agaaatatat  120
aacagaaaag aggggtatgg gatatgagtt aagttttgat cacattcaac tacactatcc  180
caaaccgtta ctcttaagac tttgaacttc acttgacttc taggatcatg ttgttctcag  240
gagctaatacc aacacaagcc ctcaggatgt tttccagcat agctcgctgc tttgacaacg  300
cattcaccac tgggtgtacc ggtggaacca gaggggcctt ggtcaggtaa ctaaggatgg  360
tcgcaactgg gtggaatgag tgggaattttc cctcattttc agctttaaac tcgattcgag  420
tgctgagctc agcaagaaag accaagtcca agataatagg agcagcttac agtgaattct  480
cacatgtgtt gggcaacaca ttggggttct ttccacccat gaatatct   528

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<210> 30083

<211> 507

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034b07d2

<400> 30083

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atacccaaat atattcgaat tatagaagag aaaggaaaca tcaaaagcca agatatatgg   60
caaagtaata taatctatac acaaattaac aatgagtagt gtccactcca aactcatttc  120
actctcattt gaaggccaaa gtagttgaaa tatcttgtct acttgttgct ttctttatta  180
agaatttttt gaaagattca agaattggacc ggccaagaat ctcagccaag gaatgctcaa  240
tttgtggcag aagatggtga gccagagggc ttaaaagcag cttgttcagc acaggagaga  300
acttcattag gccctgcctc ttctctgcca acaccaaga gatcaagata ataaagatag  360
tgtgaaatga tagttgatca tggcctcatt atctgaatcc tgaccacaag tttgatcccc  420
atagagcaag ttttattggg ggacccaaat ccgggtaccc cttttggaca aagtgtcatt  480
ttttggaggg ttttccagtt ggccaac   507

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<210> 30084

<211> 419
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034b08d2

<400> 30084

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gggcgaagga aacacatggg ttaataacaa aagttctcct ctcccaaat tatataactg 60
gttcgggtaa acccccctgg gggaaaaaat ctttactttt acccccacaa gccccctgcc 120
agaatgggtc ctttattgag acccaaccct agccctccca ggggggttcc cccttgtatt 180
tctccccgca tttttctttt taaaggtaaa ccttttttgg ttggtggggg ggaccaccac 240
cttccatgaa aggtgggtta ccatgccccce attagtcaag ccctttttgt cgtcaagatt 300
tttttcttta agagtaaccc cggggcctcc tcaggggctt atgggccttt taaaaatggg 360
ccgttgcccc caaattttgc tcttgacaaa taacaaaccc tttttcctgg aatatttgg 419

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<210> 30085
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034b09d2

<400> 30085

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agtatgaaca acatttctat tcatataatc aaataggcga cacctgcaaa tagggcaccc 60
acaaaaaata tatcttacia gattccaaag ataataaatc ctcaatttcc tccaccatta 120
caattacaaa aggaggagct gagttccaaa ttacatgaaa gttacagact ctcgatgaaa 180
ctcacatgaa agtttcaatc taaaataccc catcatataa acctaacaag agagaagaac 240
aagacttttt gcttgccctt ttctttctcc ttggtgtgtc cttttttttt attcttcttc 300
aaaaaggata aaactaagaa gaaagaaaat tcccaccttc tctcaattat acatgacacc 360
ttaaattaac tcgtgaacaa cggtatatac atataatata ataagattga aattaagatt 420
agctcctcag tcccacaaat ctctctgtct cttagaactt ttgtgattct ttaatccctt 480
tttcttttct ttttcatggt ttaaaattga attaagcaac agcagatatg ct 532

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<210> 30086
 <211> 544
 <212> DNA

[illegible]

<400> 30088

<210>	30089
<211>	425
<212>	DNA
<213>	Glycine max

<400> 30089

<210> 30090

<211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034c06d2

<400> 30090

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 aaggcactca aattacattg gcaaaaaagg tagatctgta gcacacatcc tgttataaat 120
 tacaaaagcga gattgtcttc atcacgaagg tgaggatatag caaacagatc ttagcactct 180
 catattccat taagagtgc aacaactctt cgtgaggtag gatgatcccg atgctcgcag 240
 agccatatac cctgccatgt ccccatgtta agcttgccat ttgtaatcgg tatcgtgagt 300
 gtacaaccaa acatcgatga tttaatatga gctggcatgt catctggccc ctctagagta 360
 tgcttccatg ggcgagatga cccctcgga actatccgat tgaggaagggt ttcggtatcc 420
 tcgcgaacat ctgagtcata attctcattg atggtaagag aagcactgggt gtgctgcaag 480
 aagagatgag ctatgccaca ccttgaagcc ggagaggtct tgctcaattt c 531

<210> 30091
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034c07d2

<400> 30091

aaaaagaata tgtaagctaa attggcattt aaaaagtcaa aaatagtaat agcaaagcaa 60
 aaaaaaaaaa agaaagatgt aaaaatacta tagctgccat aaaatgctag ctaggatttg 120
 tggcagacca ccgcggtgca tgacaaatca ctgtctatgc tccacaaatt gaactcgtcg 180
 agccatttct gaattgaatt cagctccatc tcaacttgacc aatataccaa cttcttatcc 240
 cgaagagaag ttctactacc agagccaatc tttgtggcaa aag 283

<210> 30092
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034c09d2

<400> 30092

atctggcaaa tagaaagagg gcacattagt tattttattga aacagggaaa tgtcaggaac 60
 aaccttggat ttctttgaca tggaaaaatc ctggatttca acttacaagc atattctttt 120
 gaaacgaaat tccatccggt accactttta tggtaaaaag gttgggcacc taagtttcct 180
 ttagaaaata tgagagggtc acacttcate aaattttatt tgaagcaaaa aggctttcat 240
 agtggccttt gaaaaaggca aaaactgggt ttttaggggg aaagcccttt tt 292

<210> 30093

<211> 487

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034d03d2

<400> 30093

caacaaaatt gttcaggcaa tccttaatga tcaaatactc aattgtatac atacattata 60
 taccaaaaata tattcaaatt atacaagaga aagaaaacat caaaagccaa aatatatggc 120
 aaagtaatat aatctataca caaattaaca atgagtgtcc actccaaact cgtttcactc 180
 tcatttgaag gccaaagtaa ttgaagtatc ttgtctactt gttgcctcct ttattaagaa 240
 ttttttgcag gattcaagaa tggaacggcc aagaatttca gccaaagcaag gcaaggctca 300
 atttgtggca gaagatggtg agccaggggg cttaaaagca gcttgttcag cacatgagag 360
 tacttcatta ggtcctgcct cttctctgcc aacacctatg agatcaaggt aataaagata 420
 gtgtgaaatg atgttgttca tggcctcatt atctgatccc tggccacaag ttttggtccc 480
 catagag 487

<210> 30094

<211> 564

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034d04d2

<400> 30094

gagagaaagc tttttgctca ttttctttca aatacagatt acatgaaaaa taacaagtga 60
 acgctacact gcataccttg gacaataagt gaacttacct agcaaagacc agcacaaaac 120

ataaataaaa aaataagcga agtaaaagtg aagtataaaa cgctgacatt ccacgtttct 180
 ggaaataaga caagaaaaga aactcagaaa aatttgactt cggcgataaa caagcggaag 240
 aatcacagaa tctgagcagc tgtgttcaat ttttcagcca agctaagctg cgttcttctg 300
 atactagata aatacagcaa aagcaagtga tcctgcaaac tgtcattcac aagcttatca 360
 aaaactgatg gggacaattt gggaagggaa cctacagctt ctgatataaa tcttccgatt 420
 ttgttgtctg gtgccactcg ttcttccaca acatgggtcaa catatttgta gatgtcatca 480
 atcaagacta gcagatgttg cattgatgct tccatccctt ctaaactctga gggatttttg 540
 tcaactgcag ttgccttcag cata 564

<210> 30095
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400034d07d2
 <400> 30095

gcgacagaag ctaaagcatg ttatttattg tcaacatcca gcagtacaaa ataagaccta 60
 gcataagcat gcacaaacca agacttagta actgtattct caggggaccc tagtcatgaa 120
 agaagaggcc ccagtaagcc aaggcctaaa ggggtttaagt tggaacaagc atttcgaaat 180
 gcttgcgaaa aaaatgggtc ataaaggaac aagccaaagt tccttggaac acaaccaatc 240
 accaaaactgc caccaatcca cccttgatag aaatatcagc caaaatgtat gctgaatgtg 300
 acctgtacaa ttctatctcc ttccctgatt tagccagttt tatttgggtc tagtttctaa 360
 catgattaag ccagaatatc acatcttcac aacttctcca ctagcaactc cattgtgctg 420
 ctgccaattg aattgcagtt ttgaagattc aatcccagca agggctctggc ccaatt 476

<210> 30096
 <211> 174
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400034d09d2
 <400> 30096

gggtcttctt taggtagaga ccaagggcaa aaccttgtgt gagagtaagc caaagggccg 60

aaactcctcc gcgtcagaga accaaaaggg ggaagagacc ccggggaaaa aaaggggggg 120
ggacggggaa cctactcacc agtgtgtgcc caattttgaa aaaacgtttc ccac 174

<210> 30097
<211> 435
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034e02d2

<400> 30097

gcagagaaca attaggggta tatattaac tcaacaaaaa caaataatat gagatgttta 60
tgagaatttc atccacccaa gaccgttgtg ttccttaatt aatggacaaa agctaaactt 120
agctcaattt cttctatccc aagcatttga gtttcaagca caggcaaatt tccatcttat 180
gaagtttatt ttgcacacat gtatcggaga atatactacc tggttggaac ataagaggaa 240
aaagcgggct ttcagcttta gctacagcca tagcatcata ttaattttgg ggaccgatgt 300
ccttagggac aaaatcgggc tttttccatt ggcgccctta ccggaaccac cagaaccttt 360
tcttcagaaa aaccattttt tatctgagca agccatggct tatcagtagg aagcttcaga 420
acatccttgg ttttt 435

<210> 30098
<211> 497
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034e03d2

<400> 30098

ataaagcaac ttcaaaagtg aactattatt aaaaacagca gtccagcacc ttgtagaagg 60
aaaaaagtca ctgacatttc caaacacatt atttctcaagt cactgacaat cctagtaagt 120
taataactag atgaaatatg accaaatgcc aaaaataaaa gagtacttat ggaccaagaa 180
agaaaacacg aggaatatac agtgatcaaa atgggatttc ccctactttt ccaaagtgtta 240
ctcaaataaa aaatttttaag cctgaactcc acatagttga gcattaactt gctcctagca 300
tggtctttgc atcaaaaaag accccagtc tgaaccctga agcttgtaac agcaagttta 360
aagacctcat ccatgggcat gcatccggct tgagcagctg gaacagctac accagcacca 420

actgtgtctg cactttcact caaaggggtt ataacattgg gtcatatgc agagactagt 480
 acatcagttt caactcc 497

<210> 30099
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400034e05d2
 <400> 30099

aagcacaaaa gacgagggtg acttgatatt atgggtattac atacatgcat agatagcctg 60
 ctctaaaata agtcggcagg aacaaagatt gagagattca acgatcttca aatttcacat 120
 ttgccagaaa tatataacag aaaagagggg tatgggatat gagttaagtt ctgatcacat 180
 tcaactgcac tgtcccaaac cgttactgtt aagactttga actgcacttg aactctagga 240
 tcatgttggt gttaggagct aatactacac atgcccttag gatgttttgc agcatagggt 300
 gctgctttga caacgcattc accactggtg taccgggtgg aaccagaggg gccttgcca 360
 tgtaactaag gatggtcgca actgggtgga atgagaggaa tttttccttg ttttcaggga 420
 taaactcgat t 431

<210> 30100
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400034e07d2
 <400> 30100

aatagcgggt tgtagaaaaa ctcctttaat ttgcactata tcttacaatt ggtgccgtaa 60
 aaataagaat ttgcaccaag agaaatcaga atcggtccta aagattttac agtgaagaag 120
 ttgtaaaaaa atttgaaaag aactgcccct gatgattaaa aattaaactc atggaaaggg 180
 taagaaaaga aaatggctaa cataaggaca aaagaagggt ctattagacc tagtgataac 240
 aatggcttaa taattcaagg ggtcggtcaa attaaatccc ttcttggtgt gtacagcagt 300
 agtctttcta ttctccaag cttcaattca gccgtaatga atgggtgatca gagcttgatt 360
 ttcatagggg tacttgattt gagccgttga aactctgaga ttgtattggt gttatcctat 420

ttgcattttg gccaaattcc atctgaataa t

451

<210> 30101
<211> 509
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034e08d2

<400> 30101

agtaacaatt gacaaattct tgttattgac aataacattg gattttgagg atacatcatt 60
atgacaaatg acaacacaat agtattgaac ccaagtgttg attactttct atctctctct 120
cattctctct ctctaattaa catcttattc tgttggaaat tatgaactgg aaactggaca 180
tatgacgcac ataactcttt tgcttgctta agtatataga aacatgaaat ggtagatgta 240
tagagatctc actgagatga tcccttaagc ttcttagcaa tgccagcaaa gtactttctc 300
tgatgaaaag cttgagccaa ttctaactta gttgggtgtc tggaaccatc cccggaattg 360
gtacctgcac cataagggga tccacccttg acattctaca tcttaaacad tccagcacca 420
aatgtgttac caatgggcac aaaaattcat cccatggtga acaagctgag taatagatgt 480
caacggagta tttttttgtc accttcttg 509

<210> 30102
<211> 411
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034f02d2

<400> 30102

aggtaaaaat tttcctcatg ctggaatttc caattcattc atcaaactga tagtaacacc 60
atactaataa aataaaataa aaaaatcctt ataaactcaa aacatccaaa tagtagtgat 120
gacttgagc acaaggaaac ccaaaacata tgacctccta ctttcccaaa atttatactc 180
atztatgcca actattatgg gaaagtgaat aatggcaacc aagaaaattg ttccaaaaaa 240
caattgccag tagtaataaa attgaaccaa actgaataat gcctcaaaat ccttgagatg 300
aatgtcttt cttatgccac agctggcatg tccttgagcc atggatccaa tggcttgcca 360
attgagtaca caatgaaacc aatcttacgt agcttttcca catccacaat g 411

<210> 30103
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400034f03d2

<400> 30103

aatattaaac aataattttg gcatcataaa ttcttccgga ataattatac aaaagtgacc 60
 agggaaaacc cgatctgccca gttgcccact gaataaaac acacatcata ttactatgtg 120
 ttgtcataca tgcattgtaa tgagtggata ttccaaagca attggtcctt ttatccctcc 180
 ttaatcctta tgccgtaaat ggcaccatcc cttgtaaatt gtaattgctt cttcagaaat 240
 agaattatac aaaggtagtt gcaatatcta tttgccaaac tataaatgta aagacccttc 300
 ttcccaatcc tagtagtgtc ccaattgtat ttacaaaggt gggacaagat atgtatatac 360
 aagtacaacc atggtacata atgtaacaat aatcatactt tgggtctttac tagngcacat 420
 tacagggagt tattatgcac tgaaaccctt ttgcagagaa ct 462

<210> 30104
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034f05d2

<400> 30104

ctcattaaag ttggaggggc acttggggat catatattct ttacatactc cttgaagtgc 60
 ttcgactctt gcacacattt ttttagcgaa aaagggctgt tcaatattgg gggctctgtt 120
 tcccaggaca atctaacttg ctggggggccc ggcccccaaa aagaatggaa aagccccgag 180
 aaggggggtg cccttttgcg ggcccccttc tgggacaaaa cactgaccga agagccccgc 240
 ctttcttttc caaccccccg ggacaagctc c 271

<210> 30105
 <211> 549
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034f07d2

<400> 30105

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aatattcata gccaaagttcg acggtggact ccacgctcac aatgcccagag aaagacattc   60
cagtagcctt gagcacacat tttaaacatt ggcttcattc tataatTTTT ggagcagtat   120
cgcacttaaa atagtaacta ttagaaggag ctatctctaa ttaattgaaa cattaataaaca  180
tgtaaaccac atcagctcat tttcagtaaa atgacagatc cgagattttc cgcagcaata   240
aagaagcaat gtacaaatta ccaacatacg aaacattcct tgagtgtctat ggggcaatat   300
gcaccatggt gctgtaaagg acctgaacgt taagtgcata attctcgggt caccatgagt   360
ccagaacaac tgcttacagc atcaagcagt gcttggcata gactcaataa ggatctgata   420
acctttggaa cagaagtctg tgtcttggca cattccgggt atgcaggaac atcagctttc   480
agggcttaaa cccttgttat tccagaagga gatgataatc agaacttccc tttcaaaagg   540
aaggatttt                                     549

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<210> 30106

<211> 496

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034f08d2

<400> 30106

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aataaagcaa aatgcacaca tcccccaaac aaaacaagcc ttattcaacc caaattgggt   60
tcatatcaca gaaaccaaca ggatgccgcc ttctctctta ctgggtccac cactcgaac   120
aaaagttcta cagaaataaa aatgggtaca attcttctac cacaatctg aaaagtctaa   180
caccaaaaat caaaaaaagg aaaattaaac aatcaaatcc gattgataaa accgattttt   240
gtctttccct cactcacttt tcagttgatc atctcaatca cttagtacct gtagtgagca   300
ggcttgtatg gaccctcaac aggcacactg atgtaatcag cctgggactt gctaagctgg   360
gtcagcttag ctccaagttt gccaggtga agtgcagcca ccttctcatc aaggtgcttg   420
ggcaaacgt aaaccttttt ctcgtacttg ccgggactct tcttctttca caactcaagc   480
tgagcaatga cctggt                                     496

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<210> 30107

<211> 489
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400034f09d2

 <400> 30107

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 actactagct caaacactca agtctccaaa aacaggagaa gatctacacc cctgaagcaa 120
 ataatctttt ctttttctta aaaaaaaagg gaaaaaazgga aacgaatgaa aacagagtgc 180
 acctaaaatg aaactaaagc ccaaaattta tctgtagctg tggatgatgat agttgacagg 240
 gcgccattta aaagattcaa ccatttcaat cttctcgcct tggcctccga cgcggagcat 300
 tagatgcttc ctctttctct ttgttttctt cattctctgc accaccttgg ttattggaag 360
 cttctgtgcg ttctggtttc ttctccacct ttgcaggttt cttgccacca aatatgagcc 420
 tgatgaaaat tgacacgaag acaaccacaa ccgctacaga attccaatag tgagatttgg 480
 ctggttctc 489

<210> 30108
 <211> 479
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400034g02d2

 <400> 30108

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 aagtttttta agtttgattt ggatgatttt ttaacaaaaa atccaaccta atcaaaccat 120
 gaacaccctt aacaaatatt gtatctactt tgcttctctt atgatagaga tcaaattattg 180
 tacatacttt gcttctctta tagataggga aattgtgcag gtccaactta aaaaccctc 240
 ccgaaaggga cataatacac ccaaacaata tctgagagct gcaattgcca ttagagatac 300
 ttcaatccca ttccagaatc aaaattagat tattttgtct ggcagcttgg agcggtaaac 360
 gagcccctgt tgcttgaaaa gggctcctt ttgggtctgc caatttgccg gggtttaatg 420
 ttaaagaacc cttcaataga aacctgtatg gtgtttgggt gagagcggtg caacttttg 479

<210> 30109

<211> 389
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034g04d2

<400> 30109

caaggcaaac aaaaacactt gtggaatttt tagaaaaagg aatttacatc aatactcttc 60
taaaaatata ttcacctata ctactacgaa tgaacccgga atgcataaaa ctttaacgcc 120
aaaccaaaaac caaaccccaa tccaaatcat cacttttttag ccttagcctt agtcttcttc 180
gctgggggatt ccacctctt aggtttcttc acgacacttt tgggcttttt cacggccttt 240
acgggtgtct tcttttttagc tggccttagca gcgacctttt tggccgcgac cttagcgggc 300
ttaaacttgg gcttggcagt cggggcccca gctttggcct tgggcttggc aacagccttt 360
ttcttaggag tagcagcttt gggcttga 389

<210> 30110
<211> 487
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034g05d2

<400> 30110

catgagaagt ttttaaattc tgtatagaaa cactacatta tggattatcc aaatgaaata 60
ccggatccga caaggagaaa aacctaatct aaagttgagg tattatattt ccaactgaaa 120
tggacttcta ctaaaaggca caggtaagct gaaataacat tgtaatgatg ggcagcacc 180
atgaaactga ctgagaatgg cgattacaat aataaaaaac agattgagga gtccaaacta 240
aaagaactca aagtccagat ttttaccccc agacttcatg ttgtcagtac ctgctatcct 300
cttactagtg ctgccaaccc caacaggatc aactgggtccc acaaccttcc ctgctggtac 360
ttaattttcc atcgggtctcg gttcttttgg cggtgtggtg tacctaataca atgccagtt 420
tacaccttca aagaagggat gctgcttgat tcttagttgc taccctttta aaccccaaga 480
cgatgct 487

<210> 30111
<211> 467
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034g06d2

<400> 30111

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 tattctaaac ttcttagaat cttatgtaaa ccaaacagca tatatgtgga aaatttgcat 180
 tagtatgaac taatcatggc tagcagtcaa atcttgatgc cttattttct cttttgcaac 240
 tactatcata tagaagtcca ttaattatta ctgcattgga tctaccataa ccttgatgca 300
 gctcccttgt ctaagaacca tttcaactct ccttctctag gtgaaaccaa ttgagcaggg 360
 agcttataat cactaggagc ttctccagt gcagagtaga ctgcatctgc tctaccagca 420
 ccagtcacca ccattgctat gtttgaagaa gcattgatca ctggcaa 467

<210> 30112

<211> 470

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034g07d2

<400> 30112

aaagcacaca tatatcctct ttctaattaa ccaagagttg tggaagtaaa tcacataaga 60
 aaaaagtcac ttgcatatag aacgtttaat tgtccacagt tttccacacg agtaatagag 120
 aaaagtacag acacatattt ttttttgaaa gaaaagtatt gattgctttt aaatgcatta 180
 gcaggtgcca ctcaatgatg accagtcac actatagggt gtgcagaaga agcaacgggtg 240
 gtccacgatt atgatgatca gaaatcactt gatccgacgg cagatagtga ttccatcacc 300
 aaccgggagc atgcaaatct cgatcctggg gtccacagcg agggctttgt tgagctccag 360
 cacgaagtcc ctgtagtacc taacatactt tctaagagga gcacagggg gtgccaccac 420
 agatccgttt catagggtgt tggcgtgccc gatcacgccc ccaactttta 470

<210> 30113

<211> 425

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034h01d2

<400> 30113

cttctcataa attcctgttg gcatcagcaa cgtacaaaat tactaattgc tgattccact 60
 aatactgtat acatgcaggc agcaacttaa aaaaaaaaaa aaggaaatta acataatagt 120
 atatgattac atttgggatc attgtcaaaa caaatctccc aaaattttat tcctactctc 180
 tacacattgc taatgtccca gaacaaaact agaggagaca ccaccaccaa aatatataca 240
 aaggagtttg tttgtttgtt tctatcttga tattatgaac tcccaggatt catgaaagag 300
 aaattgacct gattgattcc attgcaaata gagaaagttg gatatatatt tttatatatg 360
 tcttcctttc ctcatgtttt cttccacagc ttggttttta acaaacgaca caagcattag 420
 gattc 425

<210> 30114

<211> 161

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034h03d2

<400> 30114

catcttatag ggcattcctt accacattat accaaaccaa ttcaaacaaa ttacttaaaa 60
 ccaaatatac attgcctcta agacaaaaaa caacctaccc ctttaaatta acaacactat 120
 gtgcacccaa aaaacacgca ttcccccccc taaagaactc c 161

<210> 30115

<211> 375

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400034h04d2

<400> 30115

acagttgata attatatatc agtccacaa attgataaca aacagtagta acattaatgg 60
 gacaatagag ttcaacacaa accaaactta ttttcaaagg tcattacaga ccattacac 120
 atcacatttg ttcttaaaat gtttgggaaa atccaacatc gaacatcaca cagaaatcag 180
 ctccagctta aaacccccca cgaagacgca acaccaagtg cagagttgac tccttctgga 240

tgttgtagtc agcgagggtc cttccatcct ttagctgttt gccagcaaaa ataagccttt 300
 gttggtccgg tgggattcct tccttgctct ggatcttcgc cttcacattg tcaatgggtgt 360
 cggagctctc cacct 375

<210> 30116
 <211> 402
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034h05d2

<400> 30116

gcataataga gatcaattca taaataagta ttcagcaagc aatttatgga taaaaagac 60
 ggctccgata aaatttaatg ttactaagca aacaaaggaa aaaagtagca gagtggggttt 120
 tccacgagat aagagatacg caagtcgata agtatcataa aagattacag aagaaaagga 180
 acagactctt ctcaactata tcctatctgc tgctgttggt gaggagcttg gtaaccagga 240
 tatcccgat aactgccata catgttgga tcctgtccag caggagcata accataattt 300
 tcatactctt gagcagcata ccataatat ccaccaccag aaccagcacc agcagcacca 360
 ttccactggt ttggatctgc ctgagcctgt atgtttgaag ga 402

<210> 30117
 <211> 450
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400034h07d2

<400> 30117

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 atctcaagtc cttataaagg aatgtttata aacaaatgca agccatatac tcactgcttt 120
 gtgagtattt atatatatct ctctctcttc cctactcaat gtacaaaatg cttattgctt 180
 tgtaaactc tcaaggactt caaagtagtc aggaaatgtc ttctggtgc aaccaggatc 240
 cttgatgggt actggaacat cccacaagc agcaagagag aatgccatgg ccattctgtg 300
 gtcatcatat gtgtttatag ctgtgacatt caatttctca ggtggagtta tcacacagtc 360
 ctcaggacct tcttcaactg ttgctcctag cttcctgagc tctgcgcaga ttgctttcat 420

cctttcagcc tcttttaact cttccaactt

450

<210> 30118
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400034h08d2

<400> 30118

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ctacattgca aaaatatctt tacattgtta tcccattacc agagaaaaaa aacatggcca 120
gggcttacca aaactgatta cagcacaaca ctactttaat ttgactccaa acacatatatac 180
aagacagact aatcactaat tatggcatga catgtttggt aggggactaa aaatgaaagt 240
gaaaaaaagt atcatttcag tttaccccta caccaaactg gtcccaaaat tgaatatattt 300
tctgtgggct aagactatta gtgccatgaa gtacattcag ttttgtgagg cagaacatct 360
catccttgct ggtgaaaaca cagctgtgag tctagcatga tcagaaagag aataatcttc 420
tgggcatagt cctttctcca cttcacgagg atacagcatt gcattcttca ccttaaaacc 480
aatagcttct tgctcctgtt ctgtgttaca atcttcctgt caaccattca gattttccac 540
acatgctctg gacatgtaga 560

<210> 30119
<211> 416
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036a04d2

<400> 30119

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gggaccccggt gtaaaaattt gggggcccggt ggaaaaagga cccccccctt tgggtaaagc 120
cattaaccaa aaaaaacaag ggccggaacc aatttcaaaa aacggggggg cccccccca 180
aatcccccc tccccaggt ccccttggt cccagagggg cccccaagat tctttttagg 240
ggacaaaaat gggggtaaat tttaaaccac aaaccggggc ccccttttgc cccccccctt 300
tttgccctc tggggccggg aacaaaaggg ggttccagag attttgcctt atcgccccgg 360

gtgtccgccg cttttttaaa aagctggggc ggacaccgtt ttttttttaa aagggg 416

<210> 30120
<211> 521
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036a05d2

<400> 30120

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tatcaaaaga agaagaagaa agcatagcgt agcaataacc ccatcaaagg ctgcactct 120
gagcaggagg aggctctggc accacataat caaccacgac cacactctcg atttgatccc 180
taaccttata cttctgggaa ttcaccaact cctcgttcga atccactgcc tctaactccc 240
tcggccccgg gaaaaccgag agcgaagcaa tcgagaaacc cttgggtctc cccggcgaaa 300
aattctcccc aagactgaac tcactaatct gcttaaaaact ctctggaatt cctctcacca 360
cgcccaacac cgtgttctta tccgcgtcct ccttcaattt caagaagctg actcgaaccg 420
cggacccccg cggcggaacg agactggcgg tggcgaggtc atcggcgacc caatcgacgg 480
acatgatgtc gtcgatgatg gggagcacgt atcccttgac g 521

<210> 30121
<211> 514
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036a06d2

<400> 30121

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ttttttctag ataagacatt atgaacatga aactcaggt agtgggaaaa ctacagccat 120
gcgggattct tcaaagcagt gacaacagct ttaacttgaa ggtagcttct aaggctgtag 180
attcccccta ctctcccttg accactcatc ttatatccac caaaagggtat tgctgcatca 240
aagacatcat agcagttgat ccataccgtt ccagcttgca atgctcgcat caaggtgttg 300
gcagtgtcca tatttttagt aaaaactcca gcagccaggc cataggaagt tgcattggct 360
cttcttatca cttcctctag atccttgaat ttcaagatag attgtactgg accaaatata 420

tcatcttttg ctatcaacat gatgttctga acatttgaga aaacagtggg ttggatgtag 480
taaccttttg agccaatttt ttggccacca gatt 514

<210> 30122
<211> 399
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036a07d2

<400> 30122

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gccaattaaa tttcccatc acagccgtcc attacacatg agttgggcct tttccaactt 120
aaaagcaggg gataacattg gcccatgacc cgacacatgc cccccctaaa aatcataatt 180
ttacattttt acattcaaaa taaaagact ttttaattttt aaaagaagaa aagagattaa 240
ccgatccttt taatgaaatg aaacccaaac ccccaaacat tggcttgatt tttggtgttg 300
gtggtggtcc caacttgatt aaacatgaac cttttgattg aatcacttgg acttgaaggg 360
aaaggccctt attaccacct ggtggtaaag tgcttcaaa 399

<210> 30123
<211> 524
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036a08d2

<400> 30123

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acaaactaaa atagcccagt acatccacaa ttcataacga agaacacgaa tgcccaaaat 120
ctcagtaaca ttgagattag cattcaacac cttctccctt tgaaaacatt acagaaggga 180
agttcaatga ctaataagca gagagtatgg tatgtttaat tttgttcccc gtcacctttg 240
ggtgcggtt ctttaatttc atctgcacca tcgtcctgca tgtcagaggt ccagagggtg 300
aggttatcac gtagcagttg catgatcaaa gtgctatcct tgtatgactc ctctcccaat 360
gatatcaatt cagcaatagc ctcatcaaaa gcctgttttg caaggctgca agcccgatca 420
ggagagttaa gaatctcata gtaaaacacg gagaagttca gagcaagacc caacctgata 480

gggtgagttg gaggcaactc ggttttagca atgtcctgag cggc

524

<210> 30124
<211> 577
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400036a09d2

<400> 30124

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aaaagcaatg catccaaatt aaaaccacat cgggtactggt acacatctga acatcaaaca 120
caacagaaaa cagaccacaa gaacaagaat ctgaagtaga ttctagtagt cttcatcctc 180
ttcctggccc tcaccagact cagcaccacac ttcttcataa tccttctcaa gggctgcaag 240
gtcctcagcg gcttcagaaa attcaccttc ttccataccc tcaccacgt accagtggac 300
aaaagcacgc ttggcataca tgagatcaaa cttgtgatca atgcggccaa acacttcagc 360
cacactgggtg gagtttgaat tcatgcaaac tgccctctgc accttggcaa ggctgcctcc 420
aggaacaacg gtaggtggct ggtagttaat accacacttg aaaccagtag ggcaccaatc 480
cacaaactga atggtcctct tgggtcttgat ggtggcaaca gcagncgtta catctttggg 540
cacaacatca ccacggtaca tcagggaaca cgccatg 577

<210> 30125
<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036a10d2

<400> 30125

caagcgacaa gtaactaata cacagattga ataatttaat ttctttatcc acaaagtagt 60
tggtatatac acgccaacat gtcggttttc acgcataata aatgaacatg aactaaatct 120
ccaacatata aactaaaaac acacttgtat tgatgagagt taataaccaa agatactcaa 180
taaaaattaa ccattttttt ttgtttcca caatgcttaa gatttaaagc attagaaaca 240
accaaggagt ttttttggag ctgttccagt tgctctatac tttgcagctt gtcctctgc 300
cttaagaaga tcttcccctt tctttgcctc aattattgct cttctttctt cagcttcctt 360

gtggattgta gcaatTTTgt tTTTtTTT ctctgcagct tctgcTTTT tcttctccag 420
 ttcttcttca atctTTTTca ggtccgcctc cactgcagct ttcttactgt tttcccatgc 480
 agaaactgat gaaagctTTT tgtgagcctt gTTTTcagct tttgattttc actt 534

<210> 30126
 <211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036a11d2

<400> 30126

gggaataggc atgtgccctg cattacattt ggctgaatga gggTctattt ctaagcaaca 60
 tccaataatt agacaatcta ccagagttac tgtgtctatg accacaccaa tgtaatgagg 120
 taataagatt tccaggataa taatatcaat gtaaaatagt agcaataaac ccacagctga 180
 ctaggtacaa aattgcttca tgaagtattc tacacacgaa gcattttatt acctaggatt 240
 ggctatcctt tacagcagca agcatctcct ctttctttaa catttcgaac agatcaaaca 300
 cctgaatatg gcacaagata aacattTTTT caatatgaaa aatgaaccat ttcaagcacc 360
 caagaaagat caacaagaaa ccctctttac tcaatgggat cttaataaac caatacagag 420
 tacatgcttg ataggTccat gaatttgcta tagtttactt cggtgttaat attcttgaga 480
 aacaggtggt ctcaattgat accaacaaaa ctaataaaat aca 523

<210> 30127
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036a12d2

<400> 30127

ggcctgtcca cacttatttg taataaatat caatcagttg ataaattcaa cagtaacacc 60
 catttcacat gccatgtact ctcaatttta ttaatacaga tagaccacaca aaaaaaccac 120
 ggaagagatt aatccaatcc aaaatctgaa cacgtaagga gctacaattt ttttacaaaa 180
 acaaagcaaa actccacata atttggaagt caatattggc aatagatgcc gggTcaagaa 240
 ggtaatcctg ttaccagttt cctcatagag ctctccatc ggcttagata cccacgtgga 300

tgaggacatg aggggggcccc acttaaacca ccaccttcca gacaaggtct ccgtctctct 360
 cacccttcca gctaaagtgt tctaaaaaca aaaacactga taatgttttt taaaaataat 420
 ttcacccaaa tgacaaaact tattgtcaag taatattttt cttttgattt tagagacaaa 480
 aaaatatatt tttt 494

<210> 30128
 <211> 532
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400036b04d2

<400> 30128

agcattcaaa tgcagagtat gtattcatca tgtaaataca acacaataac aagtcaccca 60
 taagcagcat ataggatttc ttgagaggta catataaagc cagaagaaaa atatataaga 120
 tacttttctt ccacagtgtc tctagtaaaa ggaccctaaa aaaataaaat atgacatcat 180
 aggggttctg aaacccact acaacatatt tgtcagaatc tagtgccac ttcaatcttt 240
 ctttttatct ttcagaggtc ctctgggtat cttgctcaat accttcgcat caaacactgc 300
 atattgcttc ttaatctcgg caattgcttt ctcacaaaa gagtcgacat gatcttcata 360
 tttctcataa agcacaggca cagtgtgaag caaaacaaaa gctatgtaga acaagggtcaa 420
 gaagttggcc caacaacca gaatagagaa aaccataat ccagcaatca ctgataagaa 480
 cttcttgaga tcccttccag aagcaatatc tcctaacacc gcanaagccc ga 532

<210> 30129
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036b06d2

<400> 30129

atcaaaagcc attttgaatt atttcggtaa agcgcttcga catgcatgca cttaattatt 60
 ttgtgcgagt aaaataccac tacctttaca acataaaagt tgtaacaag taaacaacac 120
 atacgcatga tgacgcatac ccaatatata ctaatcttat ctattccatg ttcttagtct 180

tagctgaata ataataatat taatacatca agcaaagtca cttttatcat tgatcaccac 240
catctttgct tttactttcc cacaacaaaa gtcaagggtg taaaacacgg gcaacattgc 300
aatagagcac aagaaaacca gcaactggccc aaagatccaa agcaaaagag gaagtgtga 360
gtagaagatc ctgttcccaa cagtgttcaa aaaagatcct ttctccaaaa tctcgggttaa 420
gtactctggg gtcaccaatg acattgcac ttgtgggtgcg caaatgacga tgggtcaattg 480
gttgaggaac ctaattgaga g 501

<210> 30130
<211> 427
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036b07d2

<400> 30130

aaaacaagaa aaaactgata tttattatta cttctcaaca caagaggctt tttaaataac 60
aagttataac taatggactc aacacctaata cactgtgc aataattata aatttatgtt 120
ttcaccatcc aatgttattt ttcaagaaga ggaaaagatc caaatccaaa aaaaactacc 180
ggtcacatc ttgcagatag cctccattat attctcaaac aggtatcaaa aaacactgaa 240
ggcacatccc ttacaccatt ttggaatgtt ggggtagatc gaactaacta gaccgggtat 300
ttatatagct gaaaaacctt ttgccaagca ggtttggtac taattatccc accaagcact 360
cacatgcttc ctgtgtctga ccaaattttc tctccgggt tggttcacca caatgggacc 420
aaatggg 427

<210> 30131
<211> 399
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036b08d2

<400> 30131

aaacaacaaa ctaacattag aagccctaaa atcaattggc aagcctttac atccatttcc 60
tttagaaaaa caaaaaagtt ggaatgcata aattttttga aaaatagcca ttaactataa 120
cactactggg cacatatgaa aattttttat aaattaaaaa agaagcttag cctggcctcc 180

tattttgggc cccaggggtt tccaacaggt aatgacccaaa tccacccaaa agcttggcca 240
 aacttgatag gatcaatcat ttgaattttg aaaaaagacc acttgcttac tggggagaga 300
 aaacttttta gggatcaggc ggcatttgag cctgagtgtc actttttgtc ttaaaagaac 360
 caaaaagttt acagatttta ctatgtgcc gtatatggg 399

<210> 30132
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036b09d2

<400> 30132

cttaattggt tccccaaatt atagtctata gagcatctgc aactaggtgt catctacaat 60
 tgaatagctt tgtacacaac aaccttaaaa tacacattct attccataca aggcaaagct 120
 tattttcccc caaagaaaat cttctactct atatataatc tataatatgc ttataactca 180
 aatcttttac aaggattttt acaatttaac aagagaaaga aaaaaaaaaa tgggccagac 240
 aatacatgca cccccagacc cttcaaaatc gcctgggtcc aggttggttc ctaacagaag 300
 atacagccaa aacatgtcag actgacatga gtgatacaca gctaaggaga tgaactatca 360
 tcatcatctg aggaattgta ttgtctcttt ccaacaagtc ctggaagggg ttgtggaagc 420
 atagggttca ctgggacagg gaatctatgt gctgaactaa ccatggttct ctcatctatc 480
 ataccaactt ctttgacac cctatcaaga aactgtaaga agtctcttac taccatgaag 540
 attctaatg gatgagc 557

<210> 30133
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036b11d2

<400> 30133

attattacta gacaaatctt acatttcaca ctgaccacca tgaggtagac actgaaacta 60
 cctcaattat tcgttttata tataagtttt cacagtacaa acacaatatt aggtattact 120
 aatagaggat gacagcttat aaacagcaca atttcttctc cgtctttcac agctctagaa 180

ctaagtaatc tgcattctgtt ttgatccagt actccctgtt gacagatgaa tcttcctctg 240
 gatgcaccag gtcacttttg ttgtagcctc catcattgat tgttttcttc ttcttctggt 300
 tcttgtggtg ttttagcagat ttttgtgcag ctgttgaact ttcaggggtga actttcttgc 360
 ggaacatatg gagaatctta ttcagttttg tctcagcaga agcagaatca ataggccac 420
 catttattga agtagaattc ttagaataag catggagcat tcttttcttc agcttttctt 480
 tcatcagggt catggcagac ttgtccact 509

<210> 30134
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036b12d2

<400> 30134

aaacacacac atctgcactc ctttttattg caagagcaat tcaactgtctc ggtagaaaat 60
 gaggaatcaa aagagtagaa ggaaagcccc agcaaagaaa tttcaacagt aataatgtct 120
 tgggagagat gaaggcggag tggcgtagga gttgtgccat aaaacctttt ccatgatcca 180
 taaaacaaaa aaagcagaaa atccctgctc tactcatact ttacaagtgt agcaacaaaa 240
 gcaactgtaag taggggggag gacaaatctt taccctcagt atgatttccc acaatgtatc 300
 aagcttccag cacccaagaa aagacaaaaa atagcagcac ttccaagtgt agtttgtcca 360
 atatgcctaa ttttcaatag tccaggcacc ttgtacctaa tagctttata tgttccatac 420
 acagcaccga cggcgcgccg gacagcgccg cccatagcgg cgccggctgt gacacgagtg 480
 aggcaactat cccttgccat ggaagtcggc gtgagaggca cactgagagt ga 532

<210> 30135
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036c04d2

<400> 30135

atagacaaac caaatgctta atatcaacac aaacacgtgt acagaaaaga aaccactctt 60
 caagaaaaca gaaaataaga aaaactaaca tattggaaga ggtgccccat tccactcccc 120

aaggcattcc aaaagtggat caatgagctt cccttggcac aaagcagtga acactttgtc 180
 acactcttca cccggtgaga taaccctttc accagttagc aatgctgtcc ccaactcctc 240
 tctcaciaaac ttgtacaagg ggtaagacct gcattccttg atcttgtttg gaattgcaca 300
 ttggtcattc tcatatgcaa ctcttgcaac ttccacttcc ttaggcaaaa gggcttcaa 360
 ctcttctca aatgttgcaa tcttttggaa gattgatgtg tttgtgttct tctcgttctc 420
 tccattggcc aatgcatagt ccacaagcac ttgccttagc ttttgcacaa aagggtatgt 480
 tccactgcag gggcatcaa tgtatgcaaa tgtgtactcc ctatcaacaa cctt 534

<210> 30136
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036c06d2
 <400> 30136

ggccagggag cggacacaaa ttaccataa agaaactact acatacggca cctaactagc 60
 caacgttcca aaatttcgaa aattcaaaaa acataaaaca tagtaaaaag actgtttctc 120
 caatcattgt ttctaaaaac gtaacaggca attaagtcag atttaataca cttcttccat 180
 cttgctaccc tcagcatctg catcagcgtc ctaaagagga ggcatgtcag catctgcttc 240
 accagcatct tcatcaatgc tcagtcgaag cttcagcatc ctgtgaatcc tgttaccgaa 300
 agtgttggga tcatcaaggc tgaaccaga agttagaaga gcagtctcaa agagcaagag 360
 cagcagatcc ttcacagact tgtcattctt atcagcatgt gctcgtttc tcagctcctc 420
 catgatgggg ttctcaggga taatctccat cgacttcttg cttgacatgt atccagccat 480
 gctgctgtcc cttaatgcct gtgctttcat aatcctttcc at 522

<210> 30137
 <211> 558
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036c07d2
 <400> 30137

aaagtaaata tcattttattc aaacctaag aaacacaata acacatcatc acaaactcat 60

gtaaccctgc caataaaata aaccctcatc cctaaactcc agcaccagca gcagcttgct 120
 cacttcaata cacaactcct agaattttctc atgtcaccac gtggtaagca cgctgatgtg 180
 gagccaagtg ttgtgctcac acgtaggtat accctccata atacaaccaa agacttaacc 240
 atcatataat aataatatat taataataaa gtaaactaaa gaaataaata aaaaaaaaaag 300
 cttttcaaca tgacatgcaa aatggtagac ctaatgatcc ccacaactag gaccattttt 360
 aaacttgttt ttctcactca cactgtccat aagtctaagc ttcagttttc tcaacaggaa 420
 cctctactgg ggcttccact gtctcagctg gtttgttctc ttctctgag ggtgctgctg 480
 gtgctgattc tgtttctggt tcagcagttt ctttaggctc ttctgcttct tctttcactt 540
 cttcagtttt ctctctctg 558

<210> 30138
 <211> 537
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036c09d2
 <400> 30138

ccaaagaaaa atggataatt ttttgggaaa ctataaagaa ttcacatgtc catattttat 60
 ggtttcatta aaaaacttat caagtttgga aaattgtttt aaaaactaaa cagaaacaac 120
 taggacatgt tttctcatct ttttgttttc tgtttattta gcctcccttc gatttcacac 180
 tatgctccat gtcttgtttc accctttacc agttgtatga gcaaaccctg tttaattata 240
 ttttgaaaac taaaaagtta agcacacca aagactttca actcaagaca acttcggttg 300
 gcacattgcc atcctccatc cttatccaag attgaaggga aaagggtgtc tgagtgatct 360
 ttaaaattcg ggctcctcta ggccaatctc catagccacc ataaccagtg tgcctagcat 420
 agcataacca tagtttctcg gaagggcagc accaggccaa tccatggttg tgtccaacaa 480
 aaattgcctt gacagaattt ctgttacaag aagggccatc ataccggtc aactttt 537

<210> 30139
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036c12d2

<400> 30139

aaacgtaaac aagttaatac aaatatgaag aaaatcaata caaggtatcc tgcggaaacc 60
atgccccagg aactcactgt ttatcctatg aaggaatddd atttcaaaac cagacttta 120
gctaccggga gtgtttcttta tacactccat ataagtgaac aaatatacga acagaaaatg 180
ttataggttt taacaaccaa actgatataa gtggaatccc gaagcaaaaa atccagtctc 240
tctgaggcca ctttccctta cacctgctgt gccctagaat catacccatt tgttccattg 300
acgccatgtg ctgacttgat ctctgagttc ctctctttca acacaacgat cca 353

<210> 30140

<211> 445

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036d04d2

<400> 30140

ggggggcccc caaaaaaaaaa ttttttccaa aaaaaaaggg acattaaccc aaaaaccccg 60
gggacaacaa gggaatccat gtttaccccc caaaaaaaaaa aaggcctaaa aacccccccg 120
gggttttaaaa aatacccccc cccgaagggg gggaaattat gggggaaaaa aaaaaaagcc 180
gaatctttcc cccaacccc cggggtaaaa gaccttttta aacaaaaatt gagaaaagat 240
ttcttttttc cccccccac ttataaaaaa cggcttgaaa aaggggggaa aactattgaa 300
aggcctgggc aaaaaaattd ttaaaggaaa aaaggggggg aaaaaaaaaa aaaatatctt 360
taaaaaaaaa aataataagg gggccccccc ctttaataa ttaagaaggg gggggccaca 420
cgggggaggg ggcaaacccc caaaa 445

<210> 30141

<211> 525

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036d07d2

<400> 30141

aataataata attaaatata ttcagccttd caagattaaa acacgtcacg ggtgtttgat 60
acaaaacccat gagagcaacc tagttacaag ggagaaaaag gtccaaaatc ataagacaag 120

tagctgaaat taacgttttg gcatccaaat agtgccacta aagatgaaaa gcactaggtt 180
 gtgcctttgt catccttget tcaccatagg gctcatcggt atccatcttg cggttgtttc 240
 tatatgctgc ataagcaatt atgtaaaca tcacaaggat gatcataaca acaatgttga 300
 tcactgagac ctctctccaa ctcttcttga gacttgccag cacaccagcc ttgcaagaat 360
 cacaggcata gcaaagctgc tcttggtcat tgctccacct tgtgcaatct gcgttggttc 420
 ccatcaatcc tgatctggg atccacactg tctcattctg atacacatat ccacaatctg 480
 ttgggggctt gcagcaacca gactgaataa gcgtgaggtg ggtga 525

<210> 30142
 <211> 408
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036d08d2

<400> 30142

aacaaaaaga gttacgccct gacccaaatc aaatatgaat tcacccctcc ctaaaggggg 60
 gagcccaaac ctcccccat acgattttac accgggatct gggtaaaaaa aaaccataaa 120
 aatctcttga ggcatttggg gccatgcatg aaaatgggct gtaaaaaacc aaaggcagga 180
 tttgaggggg aacactgtgt ttttaaaagg ggggaggagc caacagggtg caaaaaaaga 240
 gccaaaaaat tttttccagg aggccctaata ggaagggggg agactcttgc atggtgcggg 300
 gaccttaggg gaaggggagc caatctggga ttttcccag tggatgggaa gacttaaagc 360
 tcgttttaggg ggtaacattt gatagaagcc tgcagtatgg atttttaa 408

<210> 30143
 <211> 455
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036d10d2

<400> 30143

aatgcataag aagccagagt tcacaacatc tcacactccg cgcacctgt tcaagcaatt 60
 ctagaccttc tcggaactta ggtgagtttc ttgcaactca tcatcatcct cataaactca 120
 ttcaagtcta taaagccatc cccattttta tccaccccca tcaccatttt cttaagca 180

ctaaggctgc aactttcccc taggcttttg agaacttggtg acaattcctc tgcactgatt 240
 ttcccatcgc cattcaaatc aaacacttga aaagcactct tgatctccgt ctctttcacc 300
 ctctcctcca cgttgaacat gtccatgaac tctttgaagt caatgaagcc atctccatca 360
 gagtccatca cctgaaaaga ctcatcagtc tcagtgcctt cgattcccac cccattgttc 420
 tcactgctgc tttgtactct tcgagggtaa tctttg 455

<210> 30144
 <211> 432
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036e05d2

<400> 30144
 aacttgaaca ctcttttttt gatattgata ttaagagaca cattgggttg gcatacatat 60
 aaacagagag tacatgtttt tagttgatca cgtaaaaaaa ttcataagaa catacaaata 120
 acaaaatggg ggggagagga gagaaacaca cagagtaaga gacgcggaaa gttatggata 180
 ttaaacatat tataagggca acgctcaaaa aactttcagc atacagcagc ggtatgaatt 240
 acttacgctt tataccactt gaggggtttg accacttacc atgggatgta ggggcttata 300
 tttctagcgt gcataggctg catactttta aaacctgtta tttgcacccc tctcgagatc 360
 aacgatgatg gggactatac caggtctgaa atcaaagtta tgattctcaa tgtagagaat 420
 gtccttatca tg 432

<210> 30145
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036e06d2

<400> 30145
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 tgtgatacat acacatacta caagcacatg ttatgttgat tgatatatca actacaccac 120
 agtaacaaac cacagaagta caaaaccag agattaaaat tgatattatg ctgagaatgt 180
 aaatatattg atattacaca taagattggg atatctcgga cgggattttt ggctgatact 240

tacaacttag taagtaaagg ttctttttgg atatcaaaa actgactgcg gtgaattccc 300
 ttatcagaaa atgcctctac aagcttgggg aagagcttag caagcataat tttaaattct 360
 gttgaagtcc ccttcagggtt ttcatgttca gatttatcac taccaaaagc acatccaata 420
 gaagcttctt aagagaagcc ttgcaagcaa gaagaatatg ttggggagcat tt 472

<210> 30146
 <211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036e07d2

<400> 30146

aaagcacaaa aaactccgaa aactttatat tattttacat gcgggcctag aaaaaaagg 60
 ccgctttcaa attagtcagg cggaacaaag atggggagat cccacgatct ttaaatttga 120
 catttgccct aaatatTTaa caaaaaaggg gggttgggaa atgagataag gtttgggtctc 180
 attcaaatac aggggtcccaa acctttactt ttaagaattt ggactttcct tgtactccag 240
 gaaaatgggg ttttaagggg ctaatccaac ccaggccctt ggggggggtt ccagcataac 300
 ttggtgtttt gacggggcat taacccttgg ccttctcctt ggaaccaaag gggccttggg 360
 caagcaactg gaggagggcc caaatgggtg gaacgagggg a 401

<210> 30147
 <211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400036e10d2

<400> 30147

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 taatgtcaga gctacaagag taactgtttc ggtacacata caaggcacac aggaaattgc 120
 agtaccatct gcaatacatt tcttattcat aatttatatt ctaatcacia ttcatttatt 180
 ggcagctcca gtcattcata gcttcattca tgcattcaac aacttcagca agtccttctc 240
 aatgctcaga ggagaagttg tgggtgcata gcatcaacc acatttcctt ctttatgcaa 300
 caaggaactt ggagaagttc catttgatac catcccaaa gaggccacct ttgcttgatt 360

ttagatactt gtacagggga gcaggtttgt caccattcac atcaaccttg ccaaaaacgg 420
gaaactcagc cttgaagcga gtacaaacaa actc 454

<210> 30148
<211> 367
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036f04d2

<400> 30148

cattcaatat ataacatact ggaaagagat tgtcgttaca tccattagca ggtttaacaa 60
cagaactata aaaatgtgaa caaacgcagt ttatgtgacc actttaacag ggaagcagga 120
aaggggttgg agaaaagcca aaatgctcac acaagccatg tgccttacca ttcattttca 180
gaatattaac ctaagccatg actgaggata ttgaatatac aacactatgc acaagaaata 240
tggcaagcgt aattaaacat aagctaccta atgtcctctg tgaaaaacaa tgcgagtgat 300
tgctgtacct accttattaa catccctcat ggatgattca gcacttgccc tcatagtgcc 360
tttatac 367

<210> 30149
<211> 549
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036f05d2

<400> 30149

gaagaataaa aaacccta atatacgcca attcactgga ttgagaacaa aattcaaaca 60
caatatgccg gcatacagtt gataattata taccagctcc acaaattgat acaaacagc 120
ggtaacatta atgggacaat agagttcaac acaaaccaaa cttattttca aaggtcatta 180
cagacccatt acacatgaca tttcttctta aaatgtttgg gaaaattcaa catcgaacat 240
cacacagaaa tcagctccag cttaaaaccc ccacgaaga cgcaacacca agtgcagagt 300
tgactccttc tggatgttga agtcagcgag ggtccttcca tcctctagct gtttgccagc 360
aaaaataagc ctttgctggt ccggagggat tccttccttg tcctggatct tcgccttcac 420
attgtcaatg gtgtcggaac tctccacctc gagggtaata gtcttaccg taagggtctt 480

gacgaagatc tgcataccac cacgaagacg caacaccaag tggagagttg actccttctg 540
 gatgttgta 549

<210> 30150
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036f10d2
 <400> 30150

gtgaattggc atgtgccttg tattacattt tggtgaatg aggttttatt ttttaagctac 60
 atccaataat tatacaatct accagaaaaa aagtgggggg gaccacacca atgtaaggag 120
 gtaaaaagac atccaggaaa ataatatcaa agtaaaatcg ttgggggggg ctttttagctg 180
 actaggcaca aaaatgcttc atgaagaatg ccacacacga agcattttat tacctaggac 240
 agaaaaaacc tctacagcag caaagcagtg tgctctttct tataacattt cgaacagaac 300
 aaacacctga atggggccca agagaaacat tgggtcaatt tgaaaaatga accattacaa 360
 gcaccaaga aagaccaaca agaaaccatc ttgacggaat ggtataaaaa taaaccaatg 420
 cagagcacat gct 433

<210> 30151
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400036f11d2
 <400> 30151

ggggggggcca actcaaaaat gttttttttc cttaaagggc agccccaac ttaaaagaaa 60
 aaaaaaaggg gacatggaaa ctttaaagct gatgaaaaa gcttggaaacg taaacaaaaa 120
 cttttcaaag aaaattttgt tccccttcaa accataaaaa aaaatccgga taaattggtg 180
 gggtgaaaat aaaaaataaaa ttgggacatg ccacaactg ggtaaaacta agggttttgg 240
 ggctgaaatt tttttttagt tttcacaagc aaaggtttat tcgaaagccg cagttttgtc 300
 tttgaaatgt tcaaggggtt tttcaatacc taaaacctta tgggtgggag agtctttaac 360
 ttggacactc acctggcctg aaataacttt ctcttttcca acaaccaatt tgaagttgag 420

ttgggctaac tgggcttttt ggacctttt

449

<210> 30152
<211> 498
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036f12d2

<400> 30152

aaaaaagcaa ccacagaaac cttattatat attgcaaatac cagggatata ctacaattca 60
ctatttttata aactgtcaca ttaaaagtcc ccaacgattt actataacca tgaaaactga 120
aaaccaaagc catatcccta caataaggggt ctatgacaga actgacaaat gaacttaaca 180
tgaaatttta aaaaagctaa cataactttt tgcatacaaa ttgaatattc tccccctaaa 240
tggcatctaa tagttctggg aatagtcaaa gctcaacggc tgttgaccaa atggagcctg 300
gaaaacacca tgtttaaatt ggtcatatga atgagcatac attattgcag cactaggcca 360
ctgtagggaa gcaccctcac tagatgtctg attcaatcct ggggggcca aaggacttat 420
tatcgggggt gaaggaggtg cataaccag tgaggcttga gtttgtgaca tttgacccaa 480
ctgggtaaat gtagcatt 498

<210> 30153
<211> 526
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036g07d2

<400> 30153

gaaaggaaat acaaatatta tttaaacc aaatagagaa ttagttctat tcttgaata 60
atacatcaa atcaatttac aacggcaatg ctgagaagat tattgaggca aatgaactgc 120
atatattcta atacaatgca caagagtacg ataggatttc tacagaaacc ccgttgatgt 180
tttagaaca acgtagctat attggaaata gaatgggata acgttctaag tacaataatt 240
ttataggaca cggccaaatc atcttatgga gttgaaattg taggaattgt attgtgaatt 300
ggaaaatgta gaagaccgtg ctttatcaga tttgggtgaa gtttaggaat aggttttctg 360
aagaaagtct ctggcttaaa aaatgacttt ggcttaaggg ataggtttaa caattgaaa 420

002220-ET-656

tggttttaggt atgggttttaa aaactggaat aggaataggt ttaacaatag gaacaggctt 480
tggtataggc ttaaaaaaag gaattggtgt tggtactggc ttaaaa 526

<210> 30154
<211> 149
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036g10a1

<400> 30154

caataattag tttgagggat tacccttatt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aacaacaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gggcggccgc 120
ccactaggaa gccactctac ccggaata 149

<210> 30155
<211> 542
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400036g10d2

<400> 30155

gctcgctcac atattggtca gttattagaa gataaagttg atcatacatc tcaaacttca 60
acaagatddd tcaattcgac ttctctctct ctctgaatat atacatattg ttctagctag 120
ctagggttatt ttacagtggg acagtgctta ttgttgtctg ggaatttgca gacaaaatca 180
aactcatgca acacaaaaac taacaccaag gaagctaaaa gtactagcac tggacccagc 240
atccataaca tcaaaggaac agcaacacaa agcaccctat taccaacaag agctaagggtg 300
aaccctcttt ctaatatagt ttgtgtgtaa cccccagaca agaactcccc atatgcattc 360
atcagaaaaat tggcatcaat cagatattct atggccatgg agctgaacat gaagctcatc 420
accaaacaaa ttgatgctga tccatacttt aaaacaaaga ttttatctga ctttgaccca 480
aaaaattcac tgctaaaaag atggctagca ttgtaggtgt tattggtcaa agctgcccac 540
cc 542

<210> 30156
<211> 359
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036g12d2

<400> 30156

aaacaccaaa acacatttat taaacaaaaa taaagaccat atataaatcg attggtttat 60
 ttatgcctgt cggcaaataa attttttatg taaaaaaaaa aaacccaat taaagatcta 120
 aaaaattgac actattatat acatcttaat atcaatcatt acatatacacc ctgacgggtt 180
 tgatccaccg gagttgttgt acggcccctc cttcgagatt gccgggggtg actgccccca 240
 aattttaacc ttccggtctc cttaaacctt tgttttttgg aggggtacaat gacacactcg 300
 ggttggggta cagggtacct taaagtttca tagcaatatg aatagtccat gtaacgctg 359

<210> 30157

<211> 525

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036h05d2

<400> 30157

aaaaccacaa caaaattcac ttgattattg aatatgtgag caacctcata cataatagta 60
 catccacca aactcttgcc tacttttcat attatgggtg tacaaaagct gttgtcagta 120
 attctaaagt gtacatcatt ctacatcaac ttgctcatc tcttttgcag cagcagcacc 180
 attgatacca ggaactagtt cagattcacc agccctagaa gacaaccttt ggtatctgaa 240
 agttggaaga atcttatacc gcccaaatgt cagaaactga ctcaacttct catagcccca 300
 cctttgttga atatagacca caattgcaag aacgatagca gtcacaggaa tggcaatatc 360
 cccaaatttt gagtaaaaat ccaaattagg attgacaaat tcagattcct cataaaagta 420
 aggatttgaa actggagctc gaatgtagtc atatatgtga ggaagaagtc tgaccagagt 480
 gattccaata aaatatagtt ttctgagtgg tttgcaattg atatg 525

<210> 30158

<211> 497

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036h09d2

<400> 30158

gggggaacac aaattaattt tattcaggtt acttgcaata actatcgata accgtgggta 60
 atatttgtag ctagactagc tagcatagag aattacagca taaaagcata aacatgggct 120
 tagcagtttc ctctccata acattataca tcatgtaa attttacata cacactatac 180
 tggtgcccct accatgttta ggcattccatc cttatatatta atgggttagaa acatgtatag 240
 cagctacagt tgagaccatc gaggccaccc cacatacatt gcgacctctg cagatcttgt 300
 aatatccttc ttctccccag ctctcccccc atgaattctt tatgatccag taaggctttt 360
 ccttaaaacg aattggagca taagcaccag atccatagcc caccaaaaga accccatgat 420
 ccaaattgctt gccgcagatg tatgggcatg agacgccacc aatatatgtt tgcataaaaa 480
 ctgcattgat accaact 497

<210> 30159

<211> 353

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036h10d2

<400> 30159 .

ctggggggggg gggaaaaaaaa cttttcaagc ccaaaaaaaaa ggcctattta aaaattatcc 60
 ccgggggggtc ttcccccaaa aaaaaaaaaa aaacccctt gccccaaaaa gggtccccacc 120
 cccctttttt tccccccaa aagaaaaaaaa aaaccccccc cccaactgaa aaaaactaag 180
 gggggcggtg gtttctttt tttgaaaccc ccaaaccgg gtccaacccc aaaaaaact 240
 gttttttaaa aaaaaggaaa aatttgaaat ctctcccccc cttgaccag gtttaciaaac 300
 cacaccttaa aaggggaggg gtttattccc cacaaaaaaaa aacaaaaccc att 353

<210> 30160

<211> 415

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400036h12d2

<400> 30160

gatataatga aaaggtggac agaaacacat aatttagtat ttaataaagc aaaagcaaaa 60

tgcacacaca ttccccaac aaaacatgct tattcaacc aaattgggtt catatcacag 120
 aaaccaacag gatgtcttcc tccttaccg tcccaccac tcgaacagaa attctacgga 180
 aattaaat aaaaaagct aaactttctc tacctcaaat ctgaaaagtc taacaacaaa 240
 aattcaaaaa aaggaaaatt aaacaatcaa tccgattcat aaaaccgatt ttgtctttcc 300
 ctcactttcc gttgataatc tcaattactt agtacctgta atgagcaggc ttgtatggac 360
 cctcaacagg cacactgatg taatcagcct gggccgggct aagcttggtg agctt 415

<210> 30161
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037a08d2

<400> 30161

gtcaaagatg aaatcattcc tagcctttca tataaaccat aatgttagaa acaacaatt 60
 atggtttaac agcataatcg ttaaccattc aaggattctt tcccttttca taacattaac 120
 acacaagaaa ccacaaaaga tgcaaaaatt taaacaaaaa taaaaagcag aaaaaagaaa 180
 ttaaggacaa agaaaactca aaatgcagct gccatatgga tcaactccac atggttgcca 240
 ctgtgaccaa agctatccca atcgacatca acattgctcc accaaggcta accaaactca 300
 ctgccccgga tttattgtga ttttggtctg tttcttcttg atcatcgtca gaagagtttt 360
 ccttggcagc tttaggagcc tttgcaagag ttgttgagc caaagctgga gccttattgg 420
 tttgaaagaa atctagagga agaagaacct tgttcacatg ataaatgcca agcttggtat 480
 ccgagtagac tact 494

<210> 30162
 <211> 433
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037a09d2

<400> 30162

acaagcagta ttttattttt tatcataaaa tgcttagttt gatcgttgga aagtaaaggc 60
 ttacctgaaa agaatagtgc agcaaagatg atttattctt gacggggaag acatacaata 120

gcgaaaatga gtagttttgt tacaattaga tgatggggtc ttgtttcttca gtttcagtag 180
 ttctcccgaa aaaggtaatt gattgagagc actcggcaaa gatgttaaga caaaacaagc 240
 atagtccggc ataggcaact gtaatccctc tggcgagtct tccaagagca gagaagagat 300
 ttaggggaaag aatgaccttc agaaacagcc tcttgtcgtg cccagtagcc gccaccctga 360
 aactgactc gggggcacca attgtattgg ccaaccatgc cacgatcgcg gtcgcactct 420
 cctgagatat ttg 433

<210> 30163
 <211> 334
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037a10d2

<400> 30163

gggaaaaagc aagtaacatt aagttggttt gggataccca aaataattca cattttttga 60
 aggacattgg aataacattt tctttacca acacaaattt taaaactttt aaaagtccca 120
 aaggcatcct tttttttcat gccacttgc cggggaccaa tttgggggcg taagcccaag 180
 cattgttggt gactgggtcc ccaaggggaa tcaacaaggg tcttcaatgg acccttaccg 240
 gggacaatgg gctggaccaa gaacccaaac tttgagaaca tggcccatct cccggttttg 300
 gggttccttc ccttaagcca acaaaaacct ttgg 334

<210> 30164
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037a11d2

<400> 30164

aattataact cattatgtat ggtaatcaat tgacacagat accctcttga tgatttcatt 60
 ttcatccgga aaagggaaaa ctacattgca atatgaaact ctctctcact ctacactct 120
 ctctttttgc atgatgatca attgaaatgt tgctgctcca accaaggcca aaggccagat 180
 tgatcatcaa tgccacaaaa catgttgctt aagctctctt ctttgaccat gtgatcaatc 240
 ttttggcact gaatctctgg ccttggagtg gtttggaaaa gctgagccac tcctgttggt 300

ctagcacaag atggaaagag ggttctgctg ttgctctgct gagtggatag aggactgtca 360
 atagctggtg ttcttgagat atccaacttg atctctgagc tgttctcact tctattgctg 420
 ctggatccct cagtttcttt gttgaggttg atggattcat atgttctctg ttttttagtgc 480
 caatatctca gtctgaagtt t 501

<210> 30165
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400037b03d2
 <400> 30165

gcctgtctcc cttttttttg tcgattcaaa caaataaaaa cgatcatttg ggagaaatta 60
 aacccgagta atttctcatt ctgtggtgcc taaaaaaaaa tattgtcat gcaagatcaa 120
 aatttagaac atttaagatg aagactaata tttctttctt tctactagaaa ttgccgaact 180
 ctgagcccta gaaccccata catagtctga actgtctgga accgtaggcg attttcgctc 240
 ggttggcttg gacaggaact ggcgccatg tgagtcatca aagaccgca acatttttta 300
 acagtggaca cgctccggaa tttgagcttg tactcctttt gctcccgctt ggctgtggg 360
 tcaacaagat gggccaatgg gtttacga 388

<210> 30166
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400037b05d2
 <400> 30166

aaaataaaaa tggaaaactt caataatggc tatgccaaag ttgagtagta taattagagt 60
 caccagccaa ctaaaataaa tggaaaaata aatcgtaaca aaacaaatta cactcttatt 120
 ctctgtttta gatcaaaaaa ttccacctga ataaaatcta gatactcaga taattgcttc 180
 actcaattgg cctcaacgaa caaccaaacc ttgggctgcc tgggacccat cctccgttat 240
 tttgttgccc tgaatggtac tgataacatt tacaatattt cccctccatg tctactagctt 300
 tgttctcagt gcttgccatt ggtgctgacc aaacacacgc tcagtaggat gactgacaac 360

tacaacttga ttcatTTggt ccatcttaca gtcaattaac ttagcagtta attctctaac 420
 cacccatagt tccacctcat catcgTTgat ctgaagtgtg tccctaataa gttcatatgg 480
 aatttg 486

<210> 30167
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037b07d2

<400> 30167

agtgaaagtt ttcaaagaac atataataac tctatatcac atatattggt acatacaggt 60
 ccatacttta actaattctg ttcaatacac attcacccat gctaaaatgt taataactaa 120
 agtctaaact tatatgatgg aaatatacaa cacataatga tccatcatca tttcattatc 180
 catactggcc atgatctcaa aaccaataca caatattacc ctccaaatgc ttcaccctt 240
 gtaccaaatt ttttgatata aatgtaacgt ctatgatggt gttttcttct tcacactcaa 300
 gaatggtttg aacatcaaca gtactccaag tccttcaaca acattcaggg caaggaagac 360
 tatatgggtg cctggcagga aaaaagaatg tatatgcttt tctgaccaag ttaatattgc 420
 accgccacta gcaggaccaa ctgttttgaa tgctgacata caagtcataa caaaaccatt 480

<210> 30168
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037b08d2

<400> 30168

atctcaactc gtaagtcatt tattatTTTT caacctttca aggtggaaca ttctacacat 60
 gaaaggcgag attacatcac atagggattt tttgacataa aacacaattt ttcacttttc 120
 aaatgaacaa cctagattat ttaaatatcc gatcacaaga gcatttttct ctttttaaatt 180
 tctcaagcga accgaccaag ggattctttc acggtggggg agttgacatc cgggtacaac 240
 ttataagcct caacccccgaa agatgggtca atctcaaagt tggggggggc accctctacg 300
 aacactgagt ggttgattgc taataccaca ttgattggaa gaggggcctc tttgatgtcc 360

002250-ETTES60

ttgagaacct tttcctctgg gacataaatt ttttcgaggg acttgccaac cttgttcttc 420
cacaaggcca caagt 435

<210> 30169
<211> 425
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037b10d2

<400> 30169

gaacaaataa aacagtttcg attacttcaa ccaaagggtct atcaaactac acgattataa 60
gcttaagaca tgtaataacc aactaaaatt caagttttgc aaaactatgt tttgttaata 120
tagagccctt acattcgggg aaacttcaaa accactatctt ttcattccaaa ttattcaaag 180
caaaggggaa gcaacatcat tgcctcagat agttgtcgtc atcattatct gtatattaac 240
ctccaccgcc agaaccgtat ttctttccga acaagatgag ctgtagctta tcataaccag 300
caagcactcc agcacctgca acagcacgta atatgtttgc accagcacct ttaaagagtg 360
acttagtacc ctcttttgcg acgattatct tgaatgcttc caaagagctc ttgtatttta 420
cagct 425

<210> 30170
<211> 482
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037b11d2

<400> 30170

acatgaaact agattgccag agcagtttat tgctgagaac tgtataacag aatacaagtt 60
gacataagac ggagttctta aaccaaagac attcaciaaac agtacttact ctctatttcc 120
taaggcttaa taatgcttct ccacaccctg ataagccagt tgggaagcta gctccaagtt 180
cttccaactg atttgctcca ttttaagtcct cttggaacta acgtattctt ctggcaagta 240
aatctctccg ccagcttcac catgttgctc cccgctgata gttttcttgg cagcttgaaa 300
ttcagcactc atagcatcca tcccacgctg caaagcttca tcagttccat agccatgttc 360
ctcagcatat ttccttacat tcttcgttat cttcatagag cagaatttag ggccacacat 420

tgagcagaaa tgagccactc ttgcaccatc tgctggcagg gtttcgtatg gaaggacatg 480
gc 482

<210> 30171
<211> 488
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037c01d2

<400> 30171

cttataatgc cgggttcaac tcaaggcaat tacacctttc atgccacggt catactattc 60
aaaacaattt ttacaagaca ccaatatgta tatatatagc tgaagacccc acaccctaaa 120
ctaaattact ggggtgacttg cacttcagca atttcattaa ttgatcgtcg ccatatcctt 180
ctaggagacg tacttctctt cacaaaataa aatttttggtt cttccaactg aatttctaga 240
ttggacaaat ctaatgttag cttttgctta atgaaagcat ccaaatcaaa gtcacttttt 300
ccatttgcat catcatcatc ctctgtttca ctagaagaat caactctgtt tttatttggt 360
cccgcaatgt tcctcaaaga atccagtggc atgttgtagc aatttggggt cagcttgagg 420
attctcttta aactgtcaat agccgggtct aaaataccta ggaatcccat aacccatgaa 480
gcattatt 488

<210> 30172
<211> 388
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037c05d2

<400> 30172

aggggaaaaa tccgggtttc attcatgaaa ttttaacccta acccttaaga gaaaatggta 60
aaacaaattt tgggactttt tttaaacttg gaggggggtca aatttaaaaa ttttttcctt 120
tgtttagaaa gggcaaaaag ggggaaaagg ttttttttag ttttttacia aaaacttcgg 180
ggttgatccc ccattttttt tggaacaaa acccttttat tttttttact tcaaaggggg 240
gggggcccc taaggttccg gtttcaagcc atttaggggg ggggaccccc aaaaaaagat 300
ttttttttta ttgaaaaag ggggttaggg gaatacaatt tttcacctca aacccttttg 360

ggttgggttt tggaaaattt tataaaac

388

<210> 30173
<211> 544
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037c07d2

<400> 30173

ccaagtaaaa atatatcttc tattactctc agtaaatttt ctccttgtgt ttatttttaa 60
ttttgagaca ttctaagtac atttgtttca catccctcag aaaatttcca aaccacgacg 120
gtgggttttcc tatgtctagt ctctctagta atttgaataa ttaaaaacag aactgtcacc 180
aattatagcc taagttttag atacatagga ccaaattttt ttccatgagc taatcaatgt 240
tcttgatga gcagaaaaat gtccctcttc catgattctt tcagctgtag gtcccatttc 300
ttggatgaat ttgacagatt ctgagagtcg attgagaagg ttcgtcaatg caattacctc 360
attcctttgc agctgcagtg tatgacttga gttttcttga ccatcaacag agaagagaat 420
ctttaatgca gttccgagac caagaacctg aagtttgccc cataatcgac atttttcaca 480
tcttacacaa tccattattg cactgatgtt ttctgaattg ttgttgaatt ttctgtttta 540
gctc 544

<210> 30174
<211> 336
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037c11d2

<400> 30174

gcaaattaaa ttacacaatc acagccgtac atcacacatg agttgggcct cttccaactt 60
aaaagcagag gataacattg gcccatgacg cgacacatgc accacctaat aatcataatt 120
ttacatcttt acatacaaaa taaaagact ttaaatttta aaaagaagaa aagagataaa 180
cagatcatct taatgaaatg aaaccaaacc ccacaaacat tggcttgatt ttgtttgttg 240
ttgtttgtcc caacttgatt aagcatgaac cgtttgattg aatcacttgg acttgaaggg 300
aatggccctg attacgaccc ggtggtagag tgctgc 336

<210> 30175
 <211> 557
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400037d01d2

<400> 30175

ggacagagaa taaaatgttc atattattgc aacaactaag agattcaatc atagtaatac 60
 gagttcggca acagaacatc atcaaacaaa caaagcaata aaaacatata gtgaatatca 120
 cacactcaca gctgatcaca cgacgtagga acaaaagaaa tggctctcctt ttcaagatca 180
 tgattcacca aaatgttctg ctgttgaaca tttccgaata tagacattcc actagaagca 240
 cccatggcta aacaagccac acccaaattg gagtcaccaa tcatgtagtt ctcagcagga 300
 agctccaaat cccaccctt gaaatggaaa acaatctttg gaatctccac ttgtgttgac 360
 cctgatggca gagagaagca aagatccaac cctgttgagc tagttttgtc caaaggaagn 420
 ttggtttgag aaatgaactc ttttttgagt gcctcaaagg ccttttgttc aatgtaggtg 480
 attgtggtgc cagagtctat gatcacacca ccattccatc attcccactt caaaagtgga 540
 cttctcaatg gacaatc 557

<210> 30176
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037d02d2

<400> 30176

gattaaatgt catttttgat tgaaatccaa atatgataga agaaggatac tcttccgtct 60
 tcacataaca actttaataa agttttgata gacacaaaat atgcaatgtg gaaccaaatt 120
 aggaatttag taatggtttg tttactggg aatttttggt aggtccatac cgtcgaaccc 180
 tctcatcaat ccaactctctc atgtcccca acacgagatt cgcagactca tcgggctctc 240
 cctgaatcaa agagtgtatc attccatcgt agagcttcaa cgtcttatcc tcaactggaac 300
 ctttctcata cagcagcttg gacgaggaag ggcaggtaac gccgtcagaa gttccgtgag 360
 cagtgaaaaa cggcgtcgtt accttgaga aattatctg tacatactgt gtcaccctaa 420

gcagctcccc catggtcccc accctgggtg ggcccgtgta ggccttggg ttcgacgcta 480
 tgaccttaac ttctcgggat ccctgat 507

<210> 30177
 <211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037d04d2

<400> 30177

agtccaaatt caaagaagta acaacaggta ttgtctcctt catcattcac atttttaaaa 60
 atttattcta aaattcaaat cataagcaga gacaaaacag aaaagaaaag gtatataatt 120
 tgaaacttaa ttttaagcatc aacaatttcc tcagtgtccg cagaagccaa aataagctgg 180
 ggttcttccc ttccaactcc acacgttcca tcaattgcat tgttcttacc caaagccttc 240
 aacgccaaat gagccgcctt ctgccctgat atcatcatcg ccccaaactg cggaacctt 300
 ctgggggagc catcaatttc tgcaacctcc atgccagtga caatcatgcc aggcacaatc 360
 tcctagtga gcctgacaat agcgtctcca gcagcattca tatccaaagc cttcattcca 420
 ggaacgctat caatcatccc aatactcttc aacctcttaa cccagtggtg gccaaaagggt 480
 ccatcgtgcc cacaagagct taccacaacc ttgggttcca ttacgttggg 530

<210> 30178
 <211> 379
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037d06d2

<400> 30178

ggggacaaaag aaagggttacc cccctttttt ttttttcccc ccacccccaa gaaaaaagaa 60
 acccttcccc aaatttaaaa aaaaaagggtg aaaaaaaa aaattaagggt ggggggtgac 120
 aaaaaaaaaa gaaagggccg ggcccaaagg ggaaaaacca aacggggggg caccaaagg 180
 tttaaaagggt cctaaaacgg gggcccccca agggtaacct ccttccggg ccctaaaatta 240
 tttggagggtg gatttgggtt ttttggggcg gcctaaaaaa agttgcccct accgcttttg 300
 ggaaaatctg ccaaatgga gggggcctaa actggggccc ctttgggttt aaaaaaac 360

gggggaagaa acccccttg

379

<210> 30179
<211> 502
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037d08d2

<400> 30179

agaggaaata atagtgttat taatgaatta aacttacaga aaataccaaa tgttaaaaga 60
actagaataa aacaaataaa agttataaga gtaaataaaa aaacaaaaat aaattaacga 120
acaaaaagat taatttggct ctaaaaataa aggcatgaaa taaattacat gaataatgat 180
attcggttcc attctgaaat cttagcatct tgacgagagc gaaattccat tgtactctcc 240
tctccctcca aaaatttagt attagacaac tatgcaatac acccgcaaag cttaaacaaa 300
gtaaatttca atgtaaagaa tttcatttag atgacagtat ctaaaactaa tctaactagg 360
aggacgttta tttaacctac aacatgaaac tattaccaa tctattatgt atctaataga 420
aaccggatgt cataatgagg taatcgacac ggggtgaacaa gaatacccaa tgataatgac 480
ctaaaatttc tcccattttt tt 502

<210> 30180
<211> 460
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037d12d2

<400> 30180

caaaaaatcc ctttgtatta atggttactg ataaattaat gtataccgaa taaatgtaca 60
aatgtgaatg actaaaaaaa tagggcaata aactaattct ggttctaaaa aaattaattt 120
tatcctgaat aaagggtcga agaacaatta ttaaattatt tcaaggaatt aaattaaaac 180
aataattatt ttgatcaact aaatctacca tatgaaaatt tcattcttta cttgtaaaga 240
gccgaaatta tttcacctt aataattgga gatgtagaaa aataatcaga atcttcctaa 300
atccacgtta tttcttcgaa aatgctttgc ccaacacaat gatattggca caccagaagc 360
tttgcggggt cttccatttg atttccatt tatcgcttgg agatttacia tgttaatgac 420

ctattttctgc attacaaacg ttgttgcccc aaattggact

460

<210> 30181
<211> 207
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037e01d2

<400> 30181

ataaatctat caatactaatt tccaacatta caaaatgaga atcttcaaag caaaaacaga 60
agttgcaaag taagcaaata taatagtaat aattaaatac attcagccct tcaagattaa 120
aaccaaatcc ttgttacaac taggatagtt tgatacaaag ccctgagatg agagcaacct 180
tttttcaagg ggaaaagggg ggcaaaa 207

<210> 30182
<211> 173
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037e02d2

<400> 30182

gatacggttaa tccagctagc aagggttattc catagaaata ttactgcat aagtcacaac 60
acacaaattg aatgttaaca tctttaaaac tgaacatatt tcaatcaaatt tcgactgaaa 120
aaatctttct ttcattattac agaagatctt gtcagcataa gattaattat ttt 173

<210> 30183
<211> 448
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037e04d2

<400> 30183

tcgcatctta gaacctagct cactgcccc aacgaaacaa accccaaacc ctaaacagtt 60
tcagcaaaat tcaccaatgg ctttctccaa agcattgttc ctgcccgtcg taatgtcggg 120
gttcgtcgcc gtcattctcg ccgctgaagc tccggctccg agccctacct ctcccgtcgc 180
cgccgtgtcg ccgtcattcg tcgcccgtgt tctcgccgcc ggagccgctc tcgcttcggg 240

002200 ET 032200

atctacactc cggatctgag cgtagctcat ggatttttatt tgtggatttt tagtagaagc 300
cgagatttga gtagcattag tatataattc tctctattga tattgctatg tagcgattat 360
tgctagatat gttgatttct ggatctatat tgcttttatg gtttgactag tattcttatt 420
gtcgttatca ttggttctag gacataat 448

<210> 30184
<211> 372
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037e05d2

<400> 30184

acgggataaa taatccagct tttatttcag agtaggtagg gatttacagg caatgatgga 60
aaaaaaaggg ggagagtgg aaagcatcct tgctaatggc aaatcttggg ggagactaaa 120
attttacaat tattggccca cttgggaacg cctttggtct aagcagttac tattaaaaca 180
ttcaacagtg caggagatgg atgcggttta atccaacttt tgattggagt tcactacagc 240
tgctgatgat gtaagcattt gcttgaaaat gttcacagga gactccactt ggccataaac 300
atgtgcgcat attggcgaaa cttcatttaa tcgactctga cccattttta ttattaagat 360
ttaagggtac at 372

<210> 30185
<211> 405
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037e06d2

<400> 30185

aaaaacggga agccaagact ggttcccagg gcatatatag catatgagat aatccttatg 60
gtcatgaaac aggaaattcc cctgaaaacg aggtttcttg agttttacac aaaggcttcc 120
ctattaaaac ctatctatag ctctatgctg cattggctcc aagataaatt aactccactt 180
atgccttatg gaggatgggtt atatggctgg ggatcccttt accaacacca cgatcacagc 240
tcttgatct ttattttacat gaaaagggat ataaagggtgc tgagaatact cccggcatgg 300
aaggcaggtc tgctaatgtc ccaagggtca tagggctttc agcttgatgc tgaaatgcat 360

attgactgag cgaagacgtc aatggggacg cagtccaagg tttat

405

<210> 30186
<211> 473
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037e11d2

<400> 30186

gataaagagt gaaacgtgaa tctttttcaa actttgccgg agattaccta caattgcgct 60
aatatgacta tggcatgttg atgacaactt tgacacaatt gggttgtttt agtagctcaa 120
atgctttgtt tatgcctgct aatggggacct catggggcgaa gagttcttga tgaggggaatt 180
cctttttgtg gcctttgtca gctaaaatgg aaaggctctga aatggccctg agtcctccaa 240
aaacagaacc ttttaaagtt ctaccaagca gaatggcaaa aagaccaat ggcaaagtaa 300
tttcaattcc tacacctatt actattgctt tatctgttcc aacttttgtg gcttccaagg 360
attcatagag tatagtggaa actccagtat actcaaaaga atagtcggta cccattccac 420
cacttagttt cttgaccaat tctgtagcag atttattaga attacccggg ttt 473

<210> 30187
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037f02d2

<400> 30187

gggaagagga gatttctttt aactaaaaaa aaacaggccc cattaaaaaa ggtttccagt 60
tgggcctagg gggacacatt ttcttttccg gccattaaga ccctggacct ttcatttatt 120
tttttaagga acccattgtt tttttgtcca cacaaaaactt ttggtgcgga ctgattaccc 180
tttttggttt ttatttcaca taacggagaa aggttcttcc gggctgttta acccttattt 240
aagttaaatt ctgaggggtgg ggcaacgccg aaacttgttt gggggggg 287

<210> 30188
<211> 427
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400037f03d2

<400> 30188

gtaaaaagca agtaacatta agttggattg ggatacacia gataattcac attatctgaa 60
 gtacattgca ataacatata cttcaccaaa cacaatctta aaaactctta aaagtccaca 120
 agtcatcctt ttctttcatg ctcaattgcc ggggacgaag ttggtggcgt atgccaggc 180
 attgttggtg actgggtccg caagggtgat agcaagggtc tccaatggac ccttaccggt 240
 gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cgttcttgag 300
 ttccttcacc ttaagctcag taaaagcctc tgggtcatca gcaaggccca atgggtcaaa 360
 gctgcccacca gggtagattg ggtcagtgc ctcaccgagg ggcccaccag caatacgatt 420
 acccctt 427

<210> 30189

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037f05d2

<400> 30189

cttaagagta aagatatatt catcattaat taaattatag taccatcca acggctacat 60
 acaacttcat cttcctttac ttgtagtac gaagcatcat tattaggtat ccagattacg 120
 acagatgcac cactaatta aaatctcaaa atgccaaatc aaaacacatt cagatacact 180
 gaaatgacaa tgaagcataa caagaagttg gaaagaggga gcttttattt gcaaatgat 240
 ggcgttccat gccataaaaa tctacatcca cacaatttat aatgaacaag aatggaatac 300
 ttctttcttt aaaccatgat aacacagatt gtccggagag attatggcct tctacatggt 360
 ggcaatggac acgggctctc ggaggatcct ctccatctgt tgtgccctgg gcttaattga 420
 catgtcaaag accttgtggc tgaattcaag cacaagccca ccaagtatgc ttggatcaat 480
 cttctgttc 489

<210> 30190

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037f06d2

<400> 30190

aattcaaaat cttcattgca taaataaccg aataagtaaa ttgtcagaca gaacaaacaa 60
 cttttgggag aggggaactt ttattaactc caatgacagc cttatctgca aaaacttgag 120
 cacatataat ttatatattaa gaaggaatgt ttgatctagt cgggtgcccc ttacctcgg 180
 aaccacgacc gttgccaggc cttccgcctg gaccaccccc aaaagaaggc ctgtgggtcag 240
 gaggagcttc acccttgatca ccgaaatcac cgacagggtcc gcgtggacct ccacggtttt 300
 catcaagggg accggcgaat cttctctctt tgtgaaagcg aggtgggccc ctgtggcgat 360
 caccgggtgg gccaccgaat ggtctttctg cggacttggc ccgcttctcg agagtggtag 420
 ggacaacttt tgatggaagg t 441

<210> 30191

<211> 427

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037f07d2

<400> 30191

ggaaacggga aaataggcat ctcattgatta aaatgaagaa caagtagctg cacgttttgg 60
 ggaataatgc tttctcacat tccaaaaact gtttgatcaa gttcccttta cttttggtct 120
 catcattccc ttgaattcat caaatttggg tggctgatag aagaaatgag aattcatcaa 180
 tggtcataat catcaaaatc ggaatctatc tactgagaca atttcatcag ttatcattgg 240
 actacgggca gatccatc gaattgatcg ttggaagacc aaagatgacc aacttaatgt 300
 gccactgcat attgtgcaa tggtttactg ctttaggaaa ttcgtcggaa tacacaccct 360
 gggtaacatg atggaaccac atactagggtg tatagagaac cttggcagcc ttttcagtac 420
 attgaaa 427

<210> 30192

<211> 428

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037f09d2

<400> 30192

ataaagtaaa tatcatttat tcaaacctaa agaaacacag ggacacacca tctcaaactc 60
 atgttaccct gccataaac catcaccctt aaacttcagc accagcagct tgttcacttc 120
 aatacacaac taccagaatg tgtcatgtga ccacgtggca tgcacgctga tgtggagcca 180
 agtgttggtgc ttacacgtag gtgtaccctc cataatacaa ccaaagactt aagcatcata 240
 ttataatatt tgtacagtta actagagaaa ttatacgaaa agaaaaaatg aggcttttca 300
 acatggcttg caaaatggta gacctgatcc ccacaactag gaccatattt aaacttggtt 360
 ttctcactca cactcgggca tgggctaagc ttcaggtctt tgaacaggaa cctttactgg 420
 ggtttcaa 428

<210> 30193

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037f10d2

<400> 30193

agcatctaata ccagacaagt aaactagaat ttaggaattc aggtccaaat ctacacatta 60
 aatgtcacca agatggccta acagagaact aggaactaca agtaaaatac aagcacctac 120
 catcatacat aaagagtgc accacctaaa cgagaacttg cagggtttata aaatatcgca 180
 atgcatgttg tgggctttct ttcacatacc cttcacattg taagggtccaa cagtgggctt 240
 tccaaccctc ttctaaacca aaattacatg aaaataaaat ctagaactcc attttcacga 300
 gcgcattgga agcttcgggt gctccatact gcatccagtc tttcgccat acaagggcct 360
 ccactgtctc tggccgcaag gaacttttat attgatccat ctttttgact cttgtatcaa 420
 agacagattc aggaggaaga c 441

<210> 30194

<211> 511

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037f12d2

<400> 30194

attaaggatg aaaagagcag taatggaatt gaactcatca gttcaagaac ttttcgtgta 60
 caatgtaagg taaagtcttg atacgtacat attttctgat ggttccatct ttaaaaataa 120
 actgtgcctc aacgtatcaa accataaagt caataagcca tatccataca acaagcatag 180
 ttacgaattt ctgtgaacat tattttcttt ctctcttctt tggtcgaaag gattatgttt 240
 attgttgtag tatatagacg cagccattac agatcagtgt ttgatttttg gcttcttcac 300
 gatcatcaca gtgcagtgag catgatgagc acaatagtca ctgacactac ctaaaaccgc 360
 cctttttata gcccataac catgactacc cacaaccaac attgcagcac ggtacttacc 420
 tacagcatca caaagaacat ttctaggatc accttccacc acttttgctg tcacatcatt 480
 tacggatttg ttgatgcaaa gttgttttagc g 511

<210> 30195
 <211> 433
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037g02d2

<400> 30195

aatacaaaat caaacttttg ataagttgca agagcggtaa tcaattgcta agatgagatc 60
 cacagtttaa aagttgttga aattcaattt gtaatattta gcattactct ttacatatat 120
 atgttagctt cagacctgat aaacaaatca gactagaaca catcctaatt tcatatacaa 180
 tcattatttt catggttcgt tgaagacctt ctctcagac tcatcacatt tttctcaagt 240
 tatttaacct agcctgtaga tcatcatata ttccactgtc ttcatttgcg gttgattcag 300
 cttgagcaac cctgttcttt gctgctggtg cgctgacaga ggttgtggca ggtgcattca 360
 caagctcaga gttgttgtca attccaatct cttcaagaaa ctgtttcaca agctcttctg 420
 tgctttcctt ctc 433

<210> 30196
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037g03d2

<400> 30196

gataacaaac agtagtaaca ttaatgggac aatagagttc aacacaaacc aaacttattt 60
 tcaaaggtca ttacagaccc attacacatc acattttcttt ttaaaatggt tgggaaaatc 120
 caacatcgaa catcacacag aaatcagctc cagcttaaaa cccccacga agacgcaaca 180
 ccaagtgcag agttgtctcc ttctggatgt tgtagtcagc gagggtcctt ccatcctcta 240
 gctgtttgcc agcaaaaatt agcctctgct ggtccgggtgg gattccttcc ttgtcctgga 300
 tcttcgcctt cacattgtca atgggtgctgg agctctccac cttgaggggt atagttctta 360
 cccatatggg tcttgactaa gatctgcatt ccaccacgat gacgcatcac caagtggaga 420
 ggtgactcct tctggatggt gttttcagca agggttcttt ccgcccttca actgcttgcc 480
 cgagaaaatc agccttttgt tgttctgggg ggatac 516

<210> 30197
 <211> 534
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400037g04d2
 <400> 30197

aacctaacaa attaaagtgg tacattcttt cattgtcgaa aaaaaaaaca agcacagttc 60
 gttaaactaa acaacttcct gatagaaaca aagcgtatat cataaaataa ggtaagacat 120
 caattcatgt tgacacgaaa ttgacaaaaa atacggctta ctcaacttca aaaagtatcc 180
 aaaattttgg acctagaaaa taaacagcac atgtaaataa aatgattgac tgaacgcaaa 240
 ataagagagt tttagttgtg caacgatgac atggaatctg caatgaactt tcaactcatca 300
 tcttcatcat tatcagcagc agagttgata gccgccacac gagcaatcaa cttagccttc 360
 ctctcctcat aagtgagttt cttcagattg tacctcttgt gttccttcgg gggctgcttc 420
 tcagatttct tgagagaagg atcagcacgg atggcagcat gaaccttttt gtacagtgcc 480
 tcaataccat cagcttttat tccacgcttg atgtattcac tgaagtgtga ctga 534

<210> 30198
 <211> 348
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400037g10d2

<400> 30198

aatgaattg aattgaattg aattgccact gccaaaagg caatgactac aatctaaaag 60
 ctaaaactag cgaataagg ccaagtacta tatatgtaca agaacaaatt aatctcaaatt 120
 tactttaaaa aagaaagaag aaaaaaacac tgaatatttt ttggatctat ggatcattag 180
 tattgagggg tttcaatctt gggatggta aaattgagac gggatttttt ggatggatga 240
 ggactggtaa ccttgttatt aacaaagaac cttgttgaaa agtcgggaaa agccgggagg 300
 ttcagatcga aatcgggcg gcttctgtg tgagtggacc ccactttc 348

<210> 30199

<211> 378

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037h03d2

<400> 30199

ctacacaacg gggttaccat taaattgaaa caaagcgtgg gcttacaac acggaattgt 60
 gccctgtcgt attaattaga agttccaagg gtgcttatgg ttccactgcc tttccccaag 120
 taaaagtaaa atgtctttgt tacagcatct attttgcagg aaactataat gtaaagaggt 180
 ttccccagcg tcccatttgt atttacaggg ttggtattag aaatcatgag cagagagtac 240
 agcccataac actcgtaag aataatgttt caacgactat tctcggtctt ctatggagcg 300
 cattctagga attatgcact gaaaccctg tgcattagaa cttctggatc tagcagggat 360
 attgtcacat gcttgtgc 378

<210> 30200

<211> 549

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400037h04d2

<400> 30200

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 ggtcaacaaa taaggatttt tagcgagcta aagacaataa tatactttgg caattaagct 120
 ctctctacct tggggtaaaa cctgatcaaa taaaagtaac atcaaagaca aaaacagcaa 180

cagaaaacta aactataaga atagcatgat aatcatcata tataagagga ggatgggggc 240
 attctctctg aaagaccaac aacaaattca acatccctaa aggaagctcc agattgtgct 300
 ttttcccttt aagccactgc aggcatgtcc ttgagccatg aatctagagg ttgccaatg 360
 gagtaaacia tgaaaccaat ttccctcagc ttgttaacat tcacgacgtt gcggccatcg 420
 aaaatgaatg caggcttttg catgctgtca taaacctttt ggtaatcaag gtttcttata 480
 ctcatccac tcagtcataa tgcagatgcc atgtgcattc ttgattgcct ataggcatcc 540
 cagactaca 549

<210> 30201
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037h05d2

<400> 30201

atcaagtgca aaaaattgaa ggcattcacc gctgcaatgg aaggctagtt atagtgtcac 60
 ataccatgag atcattcttg aaatacaatg gaagaccaat ctaaggtagag aaaagaaagg 120
 ggaaaaaaag agcctatatg aaattacttg tatgataaga tagaaagaaa gcacggcaaa 180
 aaaaaaacag agcagaaaagc atccaagctt tcagctatta gcattttctc tatttgaacc 240
 ttggttggtta gtgtctgcaa gagaaggccc tgaccctaaa agcaaaggga tctctttctt 300
 ttcatgtttt gagtctttct tggaagatgg attcgagtc gaagatctaa gaggaggctc 360
 aaaaaatttg ctagcaacat ctggaggggg tgcattctca cctggaagca caagaagacc 420
 tttctctcga agagaaaatg gctcgttgaa gcatgtgctc cacagggagt tcacaagttg 480
 cctctccttc ctgactacac ccaggtcctc agctgacatt aaactgatat tggttattcg 540
 ttcttg 546

<210> 30202
 <211> 381
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037h06d2

<400> 30202

ccaacagga aaggagtcca ctctattattg aaataatcac tcaaaataca ataatgccct 60
 cgtataacat atcaatgggg cgtgcggaaa acacaggccc cgtgatttgt cccgagagca 120
 tgatgaagga gtcaaacca accccaaatt aaatagatat ttagtcctag gcagaactga 180
 acttatgaga ctacaagcca atttcttata taatgggtcca agggctgcaa aacaagatat 240
 ttttttcagc cctagccctg aacctccacc agacttactc ctctttttca gcctcctcca 300
 gccaat AAC aaagggttcg agcgccttca caaagggttg cctgcccttg gagtttggtc 360
 cttttcggaa ccaatgaaaa a 381

<210> 30203
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400037h08d2
 <400> 30203

ggcttctca tcaatggagg cttgttctgg agttttcttg atgtcagccg cttcgtttaa 60
 tactgttca atcacgtcag tgatgcttga ttctttcttg tcatcaacct cttcaacaac 120
 cttttctgct gcttcaggag aaggttccac aatacttctg tgaggttcct catttgatga 180
 aaattgtgca gcatttacag tcaaactagt ttctcttct gtgaccgtgt cagctgaagt 240
 ttcttctcct ttggaagtct caagcacaac ttctggagaa gtttccccag gattttggtg 300
 aggttcacac ttgataaaa cttgtctcagc attttcagtg aggctagttt cctcgtcttt 360
 atcagttttc tcttctgtga ccgcgccagc cgaagtttct tcaactcttg cagtctcaag 420
 cacaatttct tgcttagtct ccacttctct accagcttct gctactttct catctacttg 480
 taagtgtct cttggcttt 499

<210> 30204
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400037h09d2
 <400> 30204

aaaagaactg tgcacagga ggcaagtttt atacaataaa ttgataaat gtatcaaatt 60

ttacaggatg tttgacacaa gatggtggct cgттаaccct cagaaacatc aattggggag 120
 cataataatt agacaatcaa gacatgaata atgaattatc aacatatctc gtttgaagct 180
 cctgaatgaa ctatgcttaa ccaatgaaca aatgcaacct tgacagtaac ttatctacgt 240
 ttggcatccc cctttgattg aggaggagga accgtttcaa aaactttatc ccacagtgg 300
 gatgtgatcc caaagccata gttctggagc cgataatgat gattcaagtг atatttcttg 360
 agacttttgg gcacatcaga ctttggttga cca 393

<210> 30205
 <211> 369
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037h10d2

<400> 30205

aaaaaaactg ttcgcagggc ggcaactttt atacaattac tttgataacc gtttaaaact 60
 ttacacgatg taagacacaa catggtggat ctttcacct caaaaacatc atttggggcg 120
 cctcttactt agaccgtcta aacatgcatt gtgaattatc tgcacttttt ggttgccgct 180
 cccgaaggac ctctgcttca ccaatgggca aattcaaact tgactgttac ttttgtacat 240
 gaggggtccc cctctgatct gacgaagagg atcggttcca agaacttaat cgctcggcgg 300
 tgctgtgctc ccacccccag agttctggag cctgttaaac agattcaagt catggttctt 360
 gccgctttt 369

<210> 30206
 <211> 319
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400037h11d2

<400> 30206

aaagcttata ttttgaactt caaaataagt ttttaagggtg aacataatat tgggcgaaac 60
 atagccttat tcttgaatga atcgatctaa tggctacata ttaaagttca cataaattta 120
 gaacgattca aaaagttgta ccaacaccaa cagagtttca caatatgtct agctaccatg 180
 acacatatcc aagcttagaa aaactaacac aagacacaca ccaccaccac ttaaacgaga 240

002250-032200

tcttcctcct tgtgggtgtg aatcacacaa tctgatttcg ggtttgaaac aacatgtaaa 300
agggtaacct ttttggatt 319

<210> 30207
<211> 305
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400040a10a1

<400> 30207

cgtatgctgc tagaggagct tcacggaact aacaaagcaa ccctatgtct aagggtgggtg 60
gagtgaccag agcgatgaaa gccattttat cttgtgtggt gctaggtgct actccatcag 120
agattactgt cgtctcagga catagttgaa gatattctatg gagagaatga gacgaaacat 180
ttggaggggaa tggcaggagc gtagactcaa tttcattcat ttgaaacacg agaatgggac 240
ttcaagtaga ttgaccatag tataaagggt tgtagcatgc taataaactt tgacagatcg 300
aacag 305

<210> 30208
<211> 57
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400040b06a1

<400> 30208

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 57

<210> 30209
<211> 491
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400040c10d1

<400> 30209

aatcaagcaa cacactttgt agccatgaca tgtagcactt tcttatcata gttcagacaa 60
caacaacaca attttatata attaactagt ttccgagcac actttccacc agtaacttta 120
gaaaaaacac aatagactga atggataact tacacaaaaa taaaacgcat acaaaaaaga 180

agtggatgct attgctaacc actttatgca actggaggtc gaagaagggtg atcctttgat 240
 gtatcaactg cagcagggga cataaactgc cacatggcaa ttccagggtg tccaatgaaa 300
 ggtatcagct tgtggctacc aacttgctct ttagcatctg gggcttgagg caggaagctg 360
 ggttgatat ttgccacttt tacttgctgc tccaactttt cttttttttc cttcaacctt 420
 ttctttctcat cacgaagctc attctttctca cccttcaatt ctttaacttt tgccctgagt 480
 tcatcattca t 491

<210> 30210
 <211> 422
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400040c11d1

<400> 30210

aattaactct catatactat taattccaga tagtcaataa tagtatagcc ggatattatt 60
 attattatgt atatacgtag tagctatagg tatattattc atagcttaga ctcacatc 120
 tctggtgaat taatttattt ccgcaccag agagtaacgc taaagcgcaa gaatcccagt 180
 tgaaaatatt tggtcccttg catatggcga gcttgacatt tccacagacc ttgaagcttc 240
 tgacctacac cggtcccttc gttcgtccat cattatttga ctggaacgac actctgggct 300
 aaaaaacgct ttctctcttc tgtacatgta tatgtctttg ccgtggagtt tctttccgca 360
 taagtgcacat gaactgagaa aattcgatgt ggggtacaat gattcggcct caacaatcaa 420
 ag 422

<210> 30211
 <211> 429
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400040d11d1

<400> 30211

ataagaaaaa aagtcatttg catataatta attgtccacc ggtttccaca tgaataatag 60
 agaaaagaaa agtacaacaa caaatatttt gaagaaaaaa aaataaaagg aaaatatcga 120
 ttgcttttaa atgcattagc aggtgccact caatgatgac caatcatcac tagggtgcag 180

aagaagcaac ggtggtcttg gtccacgatt gtgtgattat cagaaaatca gaatcacttg 240
 atccgacggc atatatgtgat tccatcacca accgggagca tgcaaatctc gatcctgggg 300
 tccacagcga gtgccttggt gagctcgagc acgaagtccc tgtggtatct aacgtacttc 360
 ctgagaggag catctggggg tgccaccaca gagccggtcc ataggggtgtt gtggtacccg 420
 ataattccc 429

<210> 30212
 <211> 386
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400040e05a1

<400> 30212

gctcgagctg ctggagaatt ctaaagaaac tactccatga aaatgtgac aagctgaagg 60
 aaatggggac tgatgcacgt actgatagag atgaacacgg gaagccagat ggggcaaagt 120
 atatggatca cgttcatcag gaataagcgt acatggacca cgattcaaca ggtgtagctg 180
 acacacctgg aatgagatgt acagttatac agattaagtg ctacatgaca cagataggag 240
 ctgagttctg cttatgaaca tgctgatcag ggctttaatg cagatatcta cacgctgaaa 300
 ctgtggttat ttacaatgtc tgatgctcac aagctagcta ttttggaact cggatgcccc 360
 tgatctgatg accaacacgc acattt 386

<210> 30213
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400040f11d1

<400> 30213

atatatatat atatatatat ataatcgggc aatttttcat tttggaagtc caaatttaca 60
 gaaaaataaa aaacataaaa gcatttcaat aagaatatat taactatgct ccctgcttta 120
 tttctttttc tgcactcttt tcttaataga tttttctctt ttctcttatt cacaccaatg 180
 aacaatgaga atttttctcc ctttgacta ggcaatctat aaacaacttg ggtgttgtcc 240
 aattattcct tggcagggt gtttctttgc cctgatgatg ccattagcac agcaacagcc 300

actataaaca taaacaacat actccctagc agtatatatg ttcttcttga tgatttcctg 360
 tactctccaa acagaatcac gccccaaaaa gtgctta.caa gtggaagtgc ctggactgca 420
 tttgctgctg catatcccgc tgcttgacca cccataaatt gaagaccatt cccaaaccc 479

<210> 30214
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400040h10d1
 <400> 30214

aagataacat ctctggactc aataattcag atttgttttc tgcaatgcaa catacataaa 60
 actcgcagta ttcaactgca tgcaatagat caaaaccgcg cacagtccac atattttttac 120
 gtaggcaggg ttcaatctaa gacttactgt agaacttgag cacatggaat agttataaca 180
 attactaaat tccaagagtc caagcaaata gagactttac gtgttaagca cttccaacca 240
 tatataacag taacctaaac ataaatatct ttagtttctt tcatccccaa ctttacattc 300
 caccaaggaa ccaaacaagt gtgtcaacac aatgtactcg aacaagggtta accaaccata 360
 atgcttgatt aagttaaaat caaatgtgac aggtcacacc aaagcagatc ttcaatcaca 420
 ccaactccaga gggaagacgt ataacaagct gttccccgaa gacacttttg acataatagt 480
 aacagaaatc tgctaagatg aaagtctgga caatt 515

<210> 30215
 <211> 68
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400041e07a1
 <400> 30215

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaag 68

<210> 30216
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043a05d1

<400> 30216

acacaatgaa aagtcacgaa ttctcattca gaacaaataa agaaaatggt gaatacatag 60
 agaacactga tccgcaacta tcacaagtcg aacaaacatc acactaaaag aaaatattac 120
 gagaccaccc aacattttct tacacaatca cattcacaac atcaacactc aacacctctg 180
 gttcctatga cgtattctga acaattaata aaatatctaa aagtatctct acaagactac 240
 atctaacacg taaaaacaag ttgaaattca gataattaca tcaaacaggt gctgttctcg 300
 aacattgaga caatgcatct tcaacccgat catcatctat cttctcagac ctcaagcttg 360
 gtggaatgta agctctgaaa atcaattcca tattgggaac ttccttaagt gtattagctg 420
 caacctcaag tgctggatgt tgaaaggcgg ggtaaaattt ttttgccaga ccaaaccaaa 480
 gatcaatgac aatatgggaa gaggaagc 508

<210> 30217

<211> 403

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043a07d1

<400> 30217

gggggctgat cttctatgaa aatattttta agtgcacaaa acttttatgc accagttgta 60
 aagggattat ttgctaaatt ggtgattcct gggaaattaa attaagaaac aagaaattga 120
 ccttttgcat attttatctt gaattggggg aaagaaaact cctatattaa tggctgaaaa 180
 tagatactag atatgggaat atccacgtgt tggaaaaagg actaaagagc gtagaatttt 240
 ccaagattga cctttgcttg tagtatggaa tgggatcttt gaaagcataa cgtcacactg 300
 gatattggtt ggccacgaat ttcatttagt gcccacttg aaagggtggt ttatagaaat 360
 ttagctatag cgacttcact gggtacaaag gcagctaaaa act 403

<210> 30218

<211> 382

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043a08d1

0953113.032200

<400> 30218

ggaaaaaaga aagggatgtt aacctctaaa cgacattaac atccttatat aatcattaca 60
taaaacaatg ctggaataat tgacctctta agactgctga tggacagaac aaaatgacca 120
gtggacgtgt tcaataaggc agcattcagg ctttccgacc aaaactatta gatcttgagg 180
gagcagccag catatttgag ctcagttaca taataaacta cttgacatgt gatcaaata 240
ttcttaattg aaagtccatt tgatgaaact ttgaaaaaga tactgctaaa gtctgaaaag 300
gatcactatc tactaagatc tcttcaatgg gttgcccttt gggaacaaat cgatctttga 360
gccacatgaa aattggaacc aa 382

<210> 30219

<211> 426

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043a10d1

<400> 30219

ataaaaaaac cctttaaaat ttataaattg tttggaggga aggaacaaca aaactattac 60
tactgtatgt tataagaacc gtggtatggt acctataaca accaattgga attgacattt 120
ataactggta agggcacgat ccaacggggc cgggcccaca ctgttatact attaccacta 180
ttctccctaa cataatgggg aaaaggaaaa agaggggacc ctaagcaacc ccagggtcgt 240
ggggctcggt gggcgccggc acaaagacaa tacaccatgg gcccgcgcac ttgtttaaca 300
tagttttccg gatcccgaac catctgatgg ctcaggcggg catatagatt tggagtctta 360
ttcttacttg tggtgggaga gggcaattcc tttacgcacc cgggggaaca caacaggttt 420
ttcccc 426

<210> 30220

<211> 521

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400043a11d1

<400> 30220

catgggtaac atcggaacca accctgatgg gaaaaatgga attaaacttt tactataaaa 60
 gtaacagtaa ctttttctgt cttaaaaaaa tggaacataa cgtagatttt tccatccctt 120
 aacaacgctg tttctctca tttctctccc aaacaattca ttaacacaca agataggata 180
 tgactatgat ctataaataa ttgggaattc actcctggtg tgaagaaaat gaatcagctc 240
 gcctaattggg catctgattt ttccatgcag ttcaccagaa gtttcagcac tttctctcta 300
 atgaatctct attattttct attccttcgn atctggttca gaggacacag gtagtgaact 360
 ataatcttgt gttttgggga gggaaaagct acgacgctct tttccccctg gcttagaaga 420
 agcattgcc aaccaaacca ttctgctat tgcgatgatc atgcctagaa caacatgtag 480
 attgagacc tctttttcaa agaaaatgaa tcctaagatc a 521

<210> 30221
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043a12d1

<400> 30221

cgggaaaaaa tgggggggga ttttttttca aaacaaaaa aatttttttg ggtttgaacg 60
 ggccaacccc tttttttatg tggaaaaacc ctggaccgta aaaaaaacac tttttggctt 120
 ttacaaaaat aaaccgccaa aaaaaggggt aaaggggggg ccactctgaa taaaaaatg 180
 ggtgggggga atttcgaggt ttcacaccg gggaggggga ggaataaatc tttttttggg 240
 ggccctaaaa ataaaaa 257

<210> 30222
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043b04d1

<400> 30222

aaagtaaata tcagttattc aaacctaaag aaacacgcta acacatcatg acaaactcat 60
 gtaaccctgc caataaaata aacccttata cctaaactcc agcaccagca gcagcttgct 120
 cacttcagta cacaactcct agaattttctc atgtgaccac gtggaaagca cgctgatgtg 180

gagccaagtg ttgcgctcac acgtaggtat accctccata atacaaccaa agacttgacc 240
atcatatggt aataatatat tcattataaa gttaactgaa gaaataaatt aataaaaaag 300
cttttgaaca tcacatgcaa aggggtagac ctaatgatcc ccacaactag gaccattttt 360
aaacttgttt ttttcaactca cactgtccat aagcttaagc ttcagttttg tgaacaggaa 420
cctctgctgg ggcttccact gactcagctg gttagctctc ttcctct 467

<210> 30223
<211> 467
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043b05d1

<400> 30223

gaattaaaaa ttctgatcgc atattaaatt cccaagtcgt attcaaattc ttatcaataa 60
aaccatgaag ccaaattaaa atatttctag tacacacca aaaattcttc aaaagaaact 120
tccgggaatc tagcacgacc aaaatcataa attaattgaaa ttctaaccga tcgataatta 180
aatttgatgg gaattatgat gtagcagtag cacacgtctc accattaaaa tcaaaatacc 240
agggtcaaagt ttcaagtaac ttaggacaga acgtaaaaaa aaactagata aaatgagtag 300
atagctcggg acattaagtc acttagcact tgaccttctt taaggcatat gcaaagtaca 360
ggaatgttgg atcagcagcg cogtccttgt agtaggcaaa gaccaagcaa gcatcatcac 420
ccatgctctc accaacaaaa aattggaaat ctttaattctt agagagc 467

<210> 30224
<211> 509
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043b06d1

<400> 30224

ccacaaaagc attattatgt tgataactgg gcaggaccac gttcataaca agaacaaacc 60
taggtctttt gcgtaatata tttgtatagt cattcttaat acttacagaa caattaaaga 120
gggaagtgga gcatcttggg tttgcagaat aatcagtggg gcatcagcac taggcatttt 180
gcagaattag tataagcaaa aaactaagat gcaaattaca tttttgcatc agacatcaat 240

gaatcaaaac ttagtgagac acttaagaag tgtgaactat tgtatacaca caatatgccg 300
 ataaattcct tgaccaatga tttttaatca ttagcgctaa ctgattaatg aaatagcaaa 360
 actaccataa ccattcattt ctagcgctaa ctgctttcac attagttgat acaagtggaa 420
 gagttccgta aagtgatatc aagtcattga gacatttgct tctcctgtgg ctatgccctc 480
 tcagactgct aatagctgat gcgccaatc 509

<210> 30225
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043b07d1
 <400> 30225

aaatataacc aattatcgct aatataacca aatgaaaata tgaattgagc atcattacaa 60
 aatagattac aaagccaata ttggttggct cggcccagaa agactaaaaa agtcatcaat 120
 tgaaactcta taaatgaaga gtaatgcaa aataaaatag aagaggtgat agcaccaacc 180
 aggcaagttg caatagacat tcctacatac atcctgccac atcaaaagag accaaacaat 240
 atgatagaaa ggagaaagaa acgagatttc ataataatca ctgaatgagc aactgaaaca 300
 tgtagctaaa actgcatcaa agctcaaacg tttcattgac aaacctaagg tgaaatcctt 360
 gaggttcac atctgtgtag aaaggatttt aacaaataag ccaataggct atcagcaaag 420
 tatgagaaat atttatccca ttgattcggg cagagatgcc ttcac 465

<210> 30226
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043b10d1
 <400> 30226

ccagcaatag tactagttta atattataag cagagattca taattcagat taactagccg 60
 aactttatac agaagcgacc aattacaaa catttatata tatatatata tataaaaaaa 120
 aaggcaacca tgaccttaac acacccatca caagtccaaa acacttgaac ttgctcaagg 180
 gcaagaaatg accactttat tctaaggggtg tttgtttaga cacaaaacac cagagtgcaa 240

cataatacat actacataat tttgaagttt tgaaactaca tatagttttt atcattattt 300
 ctaagggcca tttctgcttg aagcttttagc tctccaacac ctcacttgca agtgcagggg 360
 ttgcaggtgc agttagctcc acatttgcag ccatcgttct cagcggaac acccatttca 420
 gcactctcga attgagcctt aactggtgcc actcccatga cc 462

<210> 30227
 <211> 527
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043c04d1

<400> 30227

gagctacata caaacagttt attcaaccaa caagcaatgg tagatttttt ttacaatttt 60
 tctgcccag cttcatgtat tagtttttag aattgttctt gaatcattca tacaatggct 120
 tttgcatttg tttttgaggg ggaaacaaaa tctttaggca aagctttttg aacaacgtta 180
 aggggacatc aggaatgtgc ccttcaatcc aaaaacctac taaaaatgaa tctgaaatcc 240
 acaaataatg aaccaacaac aaatctacac aatttgcaag caaggaaagc tcacaagcct 300
 aggcatcatc actccaatta aatgtctcgg ccattaaatt caaactagat aacctcagca 360
 gcaacagaat tcaaattctt cgaattggaa ccagaaaccc catcctgttt cgaagtagtc 420
 tcaactctgac ctaaaatctg gcctttactc aagcctaag catccttgtc gctccaacaa 480
 ggccggtaca gattccttcc tcttatggaa tatcttccac tcccaaa 527

<210> 30228
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400043c08d1

<400> 30228

gcttccaata gtcctttaaa ctttccaatc accaaattta tatttgatga gtcaaagatt 60
 aatattgtac aatcaacaaa gcacctcaa atacaagtcc ctgatctaata catacctaag 120
 ttgttaaaga aaatctagcc cattccatat aaatcttatt aataccttac tccaggacct 180
 gtaagacaac ctaccaact attattaaac aatttagtct atgccaccta tgcccaaatt 240

gatattgata tattgaaaca aaccaggtgg aagaggaata acagagaagt gtataaaata 300
aatatgcaac ttcagacttg tatgctcaag ccgcaagctt atatttgaag atgtntatcc 360
cacaatttca gatccaccaa aagattcatg acattaataa taggatccat gcccatgtga 420
gccatcacc ccgatgatacg atgaatatga acctctacca taatcagaa 469

<210> 30229
<211> 429
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043c09d1

<400> 30229

cccaaaagaa gatattcgaa aggggtattat taaggaaaca gtgtccctcc aaatattaac 60
aaaagtcaat tcctctacaa tgagacaaat gttatttgtt ctctacatgc ttttttcttt 120
tttctgttgg cttcaaaata atagttttaga aaacattagt gtaaacatac atatttcaaa 180
agtgcataaa ttccaaattt agagtaactg taaaaattat catccaactc ttatttgtgt 240
tataatatta atgtctcaac ttgaatcagt ggatgtaatt gccatttctg cccaccaaag 300
tggtgatgct tttggatttg ctccatcagg ccccatagct gggatttcct tgagtctaga 360
tgtaacttct ttcataagctg gccttttttt cggatctggg tgtacacagt ttcttatcac 420
tttagacca 429

<210> 30230
<211> 492
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043c10d1

<400> 30230

aatattaaac aataattttg gcatcataaa ttcttccgga ataattatac aaaagtgacc 60
agggaaaacc cgatctgcca gttgccact gaataaaaac acacatacata ttactatgtg 120
ttgtcataca tgcattgtaa tgagtggata ttccaaagca attggtcctt ttatccctcc 180
ttaatcctta tgccgtaaatt ggcaccatcc cttgtaaatt gtaattgctt cttcagaaat 240
agaattatac aaaggtagtt gcaatatcta tttgccaaac tataaatgta aagacccttc 300

ttcccaatcc tagtagtgtc ccaattgtat ttacaaaggt gggacaagat atgtatatac 360
 aagtacaacc atgtaacata atgtaacaat aatcatactt tgggtctttac tagtgcacat 420
 tacaggaggat tattatgcac tgaaaccctt ttgcagagaa ctccagggat tggaaggaat 480
 actgacacaa gc 492

<210> 30231
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043c11d1
 <400> 30231

gggaaggcaa actttacttg gaaacccatg tttgaaactt aattggcccc ggtccaaatc 60
 aaaccaagaa ggggtttttt cagtacttat accaatcttg atttaaggct tatttaatatag 120
 taagtttggtt caaaagcatg agcattacaa gccaaagtac caacccccaca aggggttttat 180
 tattaacggtt ttctcctttt ggggatttca caaattaaaa gtgggggaaac tttttttttt 240
 tcaagctatc cacaggtttc ttgggggtta ctttcaaagg ggtatttttca atccccaaagc 300
 tctttgcctt ttttttggat acctgatata ttggcacata tgggttatca tctgcacact 360
 tctttggaag tagtaatgtc ggggtcaaatt acgtaaaatt ttcacaatt 409

<210> 30232
 <211> 68
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400043d04a1
 <400> 30232

atttccncgg tcgacctgcc cactacttat ttttctttta tagaaacca caaagatgac 60
 cttggggg 68

<210> 30233
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043d06d1

<400> 30233

caacaacaaa attaagaat aatagccttt aaaccataaa cagtttataa aacttcgtta 60
 taaattaaat gcaacttaaa acatccctca gcagcaaagg aaatggacta aaaccctata 120
 gctgcttggtg aaattcgaaa tatctcagac tcttcttacc atcaaaacaa aaaacagtac 180
 tcatcaaaaa caaacagcaa tgaaaattga ccaccgccga tcaagaacct agttttgaaa 240
 gttacggcta catgaaatcg gcagaaactt aaaaatataa cttaaacaaa acacctaaga 300
 ctctgcaagg ataaaactac tataaaggag taaccacgat gatgatcaca tgtgctagca 360
 aaattgccca aatgcaatca cttcttcttg gcagcggcct tggtgacctt ggctccggtg 420
 gggctctttct tctcaacact cttgatgact ccgacagcca cagtttgacg catgtccctt 480
 acagcaaaac g 491

<210> 30234

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043d08d1

<400> 30234

atccaaaacc agactttatt agattgaaaa gcgtaactgt gcattgagag aaacacataa 60
 atgctaattt aatgaacaaa gatacacccc tattatcccc caagagcagt gtctcgctccc 120
 catgcccttt gaatacattg gacgtgatgg aagcctaaga cagtcttctt aattaatgat 180
 tatatggggtt tgcaccagga gggaggacaa tcaacagtgc ggctgcaaca tct 233

<210> 30235

<211> 321

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043d09d1

<400> 30235

atggatcgta ataaagggaa accctatagg tcgaaacatt aaacgatcat ccctagatag 60
 acatctttgc ctgttctact cacagaaata gtcaaagtgt atcgaagcaa aagctccagc 120

ttttactagc agttttccac ggcttgctta tcttgggaaa aaaaaaaca ctgctagtga 180
 catataccca tccggaatat aacttccggt cgctctttat acgttttgca aacacactag 240
 agttcatcaa gcacagccac tttcttggag tttccccag ctgccgtctt tgattcagca 300
 cctgaggcag tggcagcttc a 321

<210> 30236
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043d11d1
 <400> 30236

gggggagcaa acacaatatc attgccaaat actatttatt ccaaacaag atacaagtta 60
 ttgattcagc cccccagcga caacaccttt caaagaagca caacttattt attcatctgg 120
 cacaaattac attaataaac acatcatact ccacgaataa cgcaacataa attttccata 180
 aattccatgt ctacaaacaa caatggcgaa ctcaaaccac tcattgaatt attgcctatt 240
 ttttgggtcc acctgcatta ttcctcctcg catcctgggc cgctttcttt gccgcctttt 300
 cctgcagcgc cttagcatct ctttccctgc gctggtcagg ggtcaacca tcctctttct 360
 gcttgccctt accaccggtt ctagectgag ccttttcgag aacacgatcc ctctgggtac 420
 cgcgagtcac tatcggagat cgatttttga g. 451

<210> 30237
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043e03d1
 <400> 30237

cttgccaaca atcaaaataa ttaaaaacat ttaacatggt cataatctca cacaatttca 60
 ctcttttaaaa tgtatatata gtacaaaaca attttcgtcc caaagggatt ataaccaagc 120
 ttaagcaatt gcacacccca cacttaattg cttatttatc aaggaatagc gtagctaaat 180
 ccttgaaaca aaaactcatt acggaaaaca catataatgc ttaaagaaat tattatcaat 240
 tctcaatctt tatctcttgc cccatgtacg ttcagtatct gaagtctgaa tcaccgcatg 300

catatttctt ttatttactc aaaagcttgg cttcaccggg tttccaaggc caattacaaa 360
 tcgatatttc acatctgctt tggcgaggcg ctctattgca gtgttcacat aatctatggg 420
 aataacctca atatcaggct tcaactccatg cttagcagca aaatcaatca tt 472

<210> 30238
 <211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043e04d1

<400> 30238

aggtcataaa aaatatcttg ttacttttat tgatgatgca tgaaggattt gttatgtata 60
 tttattaaat acaaaagatg aagctcttga taaatttaaa atttataaga gagaggtaga 120
 actttatcaa aatgggctaa tcaaaactct tctgacgaat aggggaggtg agtattatga 180
 tccggtttat tttcaatcta ctggaataat acatcaaatt acagctccct atacaccaca 240
 acacacacat ataacttcag atttatccag tctcatctcg attttcaa attaaccaacac 300
 tattcagcat ctgataagca cttgtgaatc acaacacaca cattcatgag tccggcttgg 360
 attttttcaa gccattccgt tagattcttc atacctgatg t 401

<210> 30239
 <211> 427
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043e06d1

<400> 30239

gggggaaaaa ttgccccct taaaccccc accctatatt cctttaaaag gcccaagaaa 60
 actccttga aaaggccaat aaaaaccaa ttggccaaa acaaccaag gggggagggg 120
 gcataaaaag cggggggaaa aaaaaactt tttcccacc aagggaacca atccgggggc 180
 cctttggttt ttttcatctc ccaaaggga acttttgga aaccggggg ttttttttg 240
 ggacaccg taaaaacca aaatggggg ggggggaaa atttttacc ccaaaggccc 300
 ctttttttac cctttgggcc gggggaaacc acccaaaatt tttccccta atggggtggg 360
 aaatattaac cccccccatt ttaacccaa gaaaacacc ttttttgcg ttttttgggt 420

ttaaaaa

427

<210> 30240
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043e10d1

<400> 30240

gaatggaaga aggcataatct ttaaattgaa ttgatggggt ggaaaacccg aatttaaaga 60
 tttccaatca tacacaatat tgcaacaaca aaaagaattt taaaaaaaaa agactttctt 120
 tttttacttt ttttaccxaa aacctaagca aaatataaaa acaaacgaca ctttttttta 180
 gactctttaa atccaaaagc tgatcacaat caaaatcaat ggcgttattt atgaaagctc 240
 cataagactt caaacgacca aaagccggtt tctccattga tgttctcttc aaacatgaat 300
 ttactcttca atagcaaggg gcacagactc agccaatttg cgggtacttg gagcatagaa 360
 catctcgagg taacgtttgc tctcacggcg ttcaagattg gtcacgtgct ttcagaagcc 420
 atacacacca gtgagtgtca agagcctgtc cgagtaaatt tgcattgtga cttctcatga 480
 atacgctgga gtccaccctg ggagatttt 509

<210> 30241
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043e11d1

<400> 30241

agataaccac tttttaccat atatatatag agagagagaa tacgaagcac actgatcaca 60
 ggatgatgct ctctttaagt agggaagcag atcttatcag tacacatagg taggttgaaa 120
 ttctagctct agcaatctag ctagagaagg tagtacttgc acaacacaca gcacatgata 180
 atttatttta tacacaatct cattctcatg gtgctcaaga tgcattggact aattaagcaa 240
 caatgttggt ctgataggca gtgtccacag ataaattggg taccataaa atggccttgc 300
 ttccaaggaa atggcaaaca gggtagttc caggatcaac tcccataagt tgatgaagca 360
 tttgatgatt cattccagaa gtatttgagt ggcaaatagc aagtgcctga gtgttggttc 420

catcaccagc caccaatgga accatgaaag ctgttgtttc acggacttca tggcagtaaa 480
atactgcag 489

<210> 30242
<211> 483
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043e12d1

<400> 30242

agataaccac tttttacat atatatatag agagagagaa tacgaagcac actgatcaca 60
ggatgatgct ctctttaagt agggaagcag atcttatcag tacacatagg ttggttgaaa 120
ttctagctct agcaatctag ctagagaagg tagtacttgc acaacacaca gcacatgatg 180
atattattta tacacaatct cattctcatg gtgctcaaga tgcattggact aattaagcaa 240
caatgttggc ctgattggca gtgtccacag ataaattggg taccataaa atggccttgc 300
ttccaaggaa atggcaaaca ggggtagttc caggatcaac tcccataagt tgatgaagca 360
tttgatgatt cattccagaa gtatttgagt ggcaaatagc aagtgcctga gttgtggttc 420
catcaccagc caccaatggt accatgaaag ctgttgttca cggacttcat ggcagaaaat 480
act 483

<210> 30243
<211> 479
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043f03d1

<400> 30243

gagtgttggt agttgtgaca gctaaaccac atctcaaata tgatactaca taaatctggt 60
tattcatttt taaacgaccg ctatgtctac aagtgaactg agaattacca aatatgaaat 120
ctacagagtg aaagtattta aagacacaat atacatgtgt atgttattgc gcatatggct 180
acaaggactt ttttctact gatcataagt gctcaagaag ccaccaacaa agcctgctcc 240
attgcaattc ccgcataaca tctccttccc gcaaagccaa caagagtcac cggctttaa 300
ctgtccattg aaaatatcaa cagagttcac cccactgctt ttgcattgag agcatagaac 360

agctccattt ccatcacagt cagcacaaat cacactattc ggttttgtgt ttcggtttgt 420
gctttgggtg tcttttgcag ccttggtaat gacatagcga tatttggtag caataggga 479

<210> 30244
<211> 467
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043f04d1

<400> 30244

atcacaagat atatcaattt aactttaaca ttagacaatt tcaacatttc catttggcaa 60
tgcactcatc tgcagtgttc tgccactgtt tgatgccaaa aaccgcacag agggttaagga 120
aggatccgta acagattcaa tctcaagaaa gtttaggtca accgcgccag atctcttcaa 180
actcaaaaca aagacaagtg caatccatcc caacaaggaa agtgcccagt aattgctcat 240
cccatgaatc aaaccccatg ctatagcata tccaacaaca atccccgata aatggccaag 300
aaaactcgcc tgaggaacaa tgatcgaagt gaagataagt gattcaaacg gtgcaaaact 360
gataggaaga gaaagaaacc caaagagatc caacttgga gatggttgct tcacagaaag 420
aattgtcatt cacccaaaaa caacacagga ataccaaca gccgtca 467

<210> 30245
<211> 423
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043f05d1

<400> 30245

ggggaaaaat ttgccccctt taaccccccc ccctaattt cttaaaaaaa ccccaacaca 60
actcctttaa aaagcccaaa aaaaaccaat ttgccccaaa accaccaag ggggaacggg 120
tcaataaaac ccgtttgtaa aaaaaaaact ttttccctac caatgggacc aaccgggga 180
ttatttagtt tttttcccta ccccaaagga aactaatgaa aaaaccggg gttttttttg 240
ggggacaccg gcaaaaaacc cataatgggg gggggggaaa aatttttacc cccaaagacc 300
ccttttttta ccccttgacc ccgggggaaa cactcaaat tttccccca aaggggggga 360
aaaaaaaac cccgcacctt tcccccaaa aaaaaccct ttttgggctt ttttttttaa 420

aaa

423

<210> 30246
<211> 377
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043f06d1

<400> 30246

gttcagggaa tcggggaaaa ccccccgaa aaccaaata gggaacccc ccccccaaaa 60
ggggtggcta caccaggttt tttcccccc acacaaggg gccccgaaa aggataaccc 120
ctcctataaa ccagggcgga aaaacaaagg gcgggggaca cggggcgggc cttttccctc 180
ccggggggggg ggcctttttt tttctggcgg gggggggcaa aaacccttat ggttgggaca 240
atcgcccaat ggggggggaa cacacgcccc caaaatggtt ctcctgggga aaaaatcccc 300
ccaaaaggaa gggggggccc cccccccaa aaaaaaccc cccttttcgg ggggggaggg 360
gggtcgtagg gggggggg 377

<210> 30247
<211> 394
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043f08d1

<400> 30247

aggatagcaa aattccaaaa tatatatata taaacatggt tatacgggtt atgagcacgt 60
ttggtttgca gttgaaattg ttatgacact cattctaata cagatccgac gaataaaagc 120
aaaattaagg gtcctaata tgtggcaaaa gtacttcgaa cttttccacc tgattttcaa 180
acatgcacta ttatgcacat aacattccta atcaaacagg attcctcatt cttttatggt 240
aaggaaggaa aattgtcagc tttccttctt gggatgtata gcttggagaa cagcttcaaa 300
tccttctttt actctttcaa agacatgtgg acccttaact tcacggtag gggctttgtc 360
attaataaca tcattacttc catgaatttc tttta 394

<210> 30248
<211> 348
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043f09d1

<400> 30248

gctctaagga ctgccatata atatacctagt gaagttaatt ggaagtgatc gtacatacac 60
 aaaggcactg cttctccaac ttgttgctcc ctcaaacaaa taggactaga gcaagatagg 120
 cattcaaata agctaaaagt tgatgatact atagcttttg gtccctctttg tttattacta 180
 tgatggatga gcagtttcat ttccaatgga gggacttgaa atctttattg gtgcagcaaa 240
 ggcacaatgc tgctggagat cagtcaatga aaatgatctc cacggggaga aattacgcgc 300
 ggaagacact ttgcttcattg gatggagtgg cgtatttggg taaggctg 348

<210> 30249

<211> 399

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043f10d1

<400> 30249

ggggcagaaa gggaaaaaac attaacatta caaccctttt tttggataaa attaccagac 60
 aaactaagaa gggtcagttc cactacagcc tattagcagg acttgccact aattgacatt 120
 ttaagggtgg attcaaaaac catcaaataa aaatgtggga agaaaaaagg gcaaggacta 180
 ctacatcact gttataccac ccaaaccctt ggcctttctc ctaccctttt ttttggcggt 240
 tccttttaaa caacatttct tcatttaggt ttttggggcc ataatgggat gaatacttgg 300
 ccatttttac cttaacgaac tcctcgtagt ttatttggcc attgccataa acattggcct 360
 tgcgaattat ctcattaacc tttttattgg tgagctttt 399

<210> 30250

<211> 455

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400043f12d1

<400> 30250

ggtaacaac accactttaa cttccattat atggaacaat atacatattc catccttaaa 60

aagaagggtt cagttaaaaa tctcgttctc aattctcaat aagagaatat aaaaaaaaaa 120
 ccttctctgc cccttcatac acggcatcat cctcataacc ccttccctta aaaaaccac 180
 ttccaaaata ctcaacaacg tctacttagg caacataata ccaagaacca gaaacagaaa 240
 gagaacaaag agattgagaa ctacgaatga aggaggggcc ataacgattc caacgatcga 300
 ttgagatcac tttttgaggc ttccgcgaac accggggcga ggcttggagg actcggaac 360
 gctgaggggtg gcgtgaagat tgacaactct gccctccccg aaggggatct tggggtgacg 420
 cgcgtcgtgg tggatctgca tcgatttcac gtccc 455

<210> 30251
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043g04d1

<400> 30251

caaagccaat tgtgctatctt acaagttaaa atacaataag ggcccctggt ttgtcctcga 60
 atctgtgacc tattgacctc atgcaattcg aaaaaaagc agggatgaac tgtgggcaag 120
 tagacctggc gtgataagaa aatttctgct gtccttttc tgatgatcat cagaaaaaat 180
 ttgtttccca ccaggaagct tattcaaatt tatgtaaatc atcacttgat cccatgaaaa 240
 atgtccagga gtttccgtga atatttgagt tcaatttgc ccccgatgac ttacaaagct 300
 ggcagtggac atactatgca gatgccccct aactttaaaa aatttcctca tgataagata 360
 ttttaataat tctggttaga attatgctcc ttgttacttc atattaaccg atgatatatt 420
 gtttaaactt tgcgccgatg aaatttaact ttaccttga gaaacactta ccaact 475

<210> 30252
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043g05d1

<400> 30252

cataaaataa gcaattatct tcttgttctt gaacaattct ccattcctaga gcttaacgat 60
 ctcaggaata tcgaccgggt aacgatcaat gcaatcagcc caaggcccat caaccggtgt 120

cttaatgctt ctgttgcaact tccacacagc actgttgcac ttaaagccac tcccaaacgc 180
 tatctgccac accctatcac ccttcttcat cctccccttg gactcaatgt agttgagctc 240
 ataccacagc gaagaagacg aagtgttccc aaacctgtga agggtcattc tagaagcctc 300
 aacgtgttca gtagaaagct gaagattctt ctgaagctca tcaatcacag cacgtccacc 360
 agcgtggatg cagaagtgtt caaaggcttg tttgaagtca ggaatataag gcttccattt 420
 ggggttgaag attttctctc caatgagagt gagaaggaac agcaactgct cggaagccgg 480
 aagaacaaga ggacccatag tagtaatgtt agac 514

<210> 30253
 <211> 304
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043g08d1
 <400> 30253

aaattgctaa accaaccgta ttattaatgg ggggggaaga tttaccaatt gatagtgtac 60
 caagatgtaa ataaatgcaa aaggccctgg gggtttttat cacaagaaac actcactgag 120
 atgtatacat acaaaatgtg aacctccgaa taggttataa tacatagcta ctggcacaaa 180
 actgcaaggc acgttgggtat tacaaataaa acattaccac caagttttagc tctagtgggt 240
 ttccttatgc atcttctata aacaactgcg gggaactgaa acatcacggt ttcaaaacag 300
 caat 304

<210> 30254
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043g12d1
 <400> 30254

gagagaacat ttttttttgt ttcacatata aaaatatata tgttctgaaa gaacacatac 60
 aagtacacaa aaaaaagggg gaaattcata aaaaaatata gaaaaaaaaa aacagatttg 120
 agttagaggg aaggaaacat agagaaaatt ttagcaatca gataataaga agccagttgt 180
 tgtgcaaaag tcccttgcca agagtgttgg aaccctttt agttaagcag gtaccttctc 240

ccccttgagt ggcttcacca cttcccatgt gaagtcaggg tcattctctgc caaagtgtcc 300
 atatgcagca gtcttcaaga acctgccatt tccaccctc ttgagatcaa ggttgatgga 360
 gatcatgcca ggcctgaagt caaaactctc cttcacaatg ctgaggattt cttgtgcagg 420
 gatcttccca gtgccataag tgtcaacaaa cacagac 457

<210> 30255
 <211> 315
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043h03d1

<400> 30255

atgaggcgct caacattatt taccgcgcaa atgttatggg agttacacta tttttgcatt 60
 caaaaattta atcaaaaacc aattggctgc ctatggatga gatctcaaag gaaagcgtgg 120
 tttttcagta ctaaacagag ttcaaaacat tggcccaaaa gcacagatcc aaaacttaaa 180
 aacagcaatt tccgaagcag cttgaaaggg aacattatat cagttcctaa ctaccaattt 240
 caattctttt ttacagtggc aggatttatt atgtccacca actccggctt cagggggggc 300
 cccccacca aaaat 315

<210> 30256
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400043h04d1

<400> 30256

atatgactct ggtgttattt ttgattttgc aaattaaatt acacaatcgc ggccgtacat 60
 cacacatgag ttgggcctct tccaacttaa aagcagagga taacattggc ccatgacgcg 120
 acacatgcac cacctaataa tcataatttt acatctttac atacaaaata caaagacttt 180
 aaatttttaa aagaagaaaa gagataaaca gatcatctta atgaaatgaa accaaaacc 240
 acaaacattg gcttgatttt tgttggtgtt gttgttccca acttgattaa gcatgaaccg 300
 tttgattgaa tcaattggac ttgaaggga tggccctgat tacgacctgg tggtagagtg 360
 ctgcaagagc tgcaccgatg aatgggtcca cccagaagat ccagtgttca tcccaaccaa 420

ggtccttggtt gaagatgata gcagctccaa gactacgagc aggggttgata ccagttccccg 480
tgatggggat ggtt 494

<210> 30257
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043h05d1

<400> 30257

aaaaaaaaaga caaaaattta ttgcattagg tttcagagct acaccagtat atcaaaatgg 60
caaaacacat ccaagaaacg aaacccaaca cagtaccac aaacactcgc acacgttttt 120
gtttttgggtt ttgttttttt aaaaaaaaaat tcaaatacta aattgaagtg gtaacgtggt 180
attctaaaag aatactatag gaatacacia ttcgatatca tatttttgtc ttcaacaggg 240
acctaaacce tcctgaggg gacccaaaagt tgaaccctga ttcacacaag ctggtttccc 300
ctttcgcttt cgagggttc ttcattcgct cgcacccaaa caaatcaaaa tcattogetc 360
gtcgagaccg cgcttttaaa ttaaacgatc aagaaagatc tcaacagccg gttctttctca 420
cgtgactttt acgtgcgtgc gatcaacacc gaaatt 456

<210> 30258
<211> 530
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043h06d1

<400> 30258

aaaaaaagac aaaaatttat tgcattaagt ttcagaacta caccagtata tcaaaatggc 60
aaaacacatc caagaaacga aacccaacac agcaccaca aacacttgca cacgtttttg 120
tttttggttt tggtttttta aaaaaaaatt caaatactaa attgaagtgg taacgtggta 180
ttctaaaaga atactatagg aatacacaat tcgatatcat attcttgtct tcaacagggg 240
cctaaaccct cccttagggg accaaaagt gaaccctgat ccacacaagc tgctttcccc 300
tttcgctttc ggagggttct tcattogetc gcacccaaac aaatcaaaat cattcgctcg 360
tcgagaccgt gctatcaaat taaacgatca agaaagatct taacagccgg tcctttctac 420

gtgactttca cgtgcgtgcg atcaacaccg aaattcaaca gcttaatcaa tcaaccaatt 480
 tatcattacc gccttaacgc gaggaacacc aggaccggaa cggagcttga 530

<210> 30259
 <211> 192
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043h07d1
 <400> 30259

gaaaagaatg aacaattccc atcaatttat ttggataata gttttgttta attaacacccc 60
 aaattgggtca caattttttg ctttaaacca ccctagatga tgattttggc tcaaaagggtc 120
 tttcgccctg gtcgctctg aaaagcattt tattccaatt tggggccctt tgaacaattc 180
 tggggggaac cc 192

<210> 30260
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400043h08d1
 <400> 30260

aaattaaac aataattata ttgatcaact aaagctacca tatgaaaatt tcattcttta 60
 cttgtaaaga gccgaaatta tcttcacctt aataattgta gatgtagaag aataatcaga 120
 atcttcctaa atccacgtaa tttcttcgaa aatgctttgc ccaacacaat gatattgtca 180
 caccagaagc tatgcggcgt cttccatttg atattccatt tatcgccctgg agatttacia 240
 tgctaattgac ctattttctgc attacaaacg ttgttgcccg aaattggact tcttacaagt 300
 agataattgt gcacaaagcc ggccatacaa atgatccatc ttatttggag aaaagtagcc 360
 gtgtttgcc aatcaaataa aaaaagaagg gcacaatata gttgatacaa tgataacagt 420
 tcattttcac aatttctatc aaaaaagact ta 452

<210> 30261
 <211> 511
 <212> DNA
 <213> Glycine max

002240-ETTES60

<223> Clone ID: jC-gmst02400043h09d1

<400> 30261

gtgcgggggg gaaaagggcc ccaaccccc cggcgggtatg ggggcaaagg gattaataaa 60
cccttttgtc tccaagggg ggggggggtt aaaaaacaca gaggaataaa gaaactcttt 120
tcgggggggg aaaaaaacg ggggggttca agggcggggg gcgcctcccc gggggataaa 180
agaaattttt ttgaaattag gggggccccc cgggggacgg ggctcaaat ttgggggggg 240
gggggggttaa aaaactctc ccccccttt taaaaaggg atttttggg ggggggataa 300
agaggggggg gcccaataaa gggggggggg gatcttctcg ggggggtggg ggggggacct 360
cctccccggg gggttttttg gggggaaacc gggggggggg ggggggtctc tcttcccaaa 420
tagagggccc ggggaaaccg ttgggggggg ggggcccccc ccgcccagg ggggggggtg 480
cacaccccg ggagaattcg gggggggggg g 511

<210> 30262
<211> 448
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043h10d1

<400> 30262

aggacacatt tttattttat tttgggataa aacaatagag tcaagtttta gtgttacaaa 60
cttacagttc atcacttcat ttttattctc cagggtcgtt taagacttat aatcacacac 120
attacataat aaatagaata gaacaatgta tttcaccact aactgtatag accacacgca 180
caactcgttt ttttattcac acacaaacaa atataataaa actggggcac tttgtttttt 240
tttttcggta ggcaccaggc cacttaattc gttgatctcc tctaaccatt ttctttctgg 300
tgaatcaatc tcctctaact ctaatattgg agtcattgcc cttgccagaa atgcctatcg 360
gatttgcag gcagagttca gatcagtttc caatgggata tgatctttcc attcgaatat 420
cacttttaac agcttgtctg ttttgact 448

<210> 30263
<211> 451
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400043h1d1

<400> 30263

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agtataaaac tattaaatat attcacatga atatgaatct tgagttttcc ctggcaagta   60
aaataattta tagaactaaa tgaaatattt aacactaccc tcaaaggcat agctacagtc  120
caagtccaat ttcatgcaac aaaaaaaata tatttatata aaaaaaaaag agagagagaa  180
gaaaaaagga ctacaaagta tcgttttccct ccgacttctg agaaacttct ggggaatcggc  240
cccaaacggt taaacgacgc acgtgacgtc tccgcgtgcc ggtctcggat tccctacgcc  300
actacgtaat ctaatctaaa atgtttcctt tgcttaaccg tcgccgcgtg tcagttgcac  360
actctttgat ttgtcctgta acacggactt aaccacggcg ttttctgatt ctgcgatgg  420
ttctggaaat ccaacggctc agatttcacg t                                     451

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<210> 30264

<211> 363

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044a01d1

<400> 30264

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agggtgaacgc acaaatttgc ttgggcaaag aacaggtcag catccacgaa agccagaact   60
aattacttat tcacaacatt actctaccta ccctttgatt gattatttga cacctgaact  120
gggggggcct acgcaccaac accgactgaa ccgtgataca gtccgtgtca tgctttgtgc  180
acgtggaccc cactgttggg cacttaccac ccaatgcccc ccgccaccat tattagtgtc  240
tattttcagc cagacaaaag agctaggaca gtgctcagct tcaacagaaa ggtgccatgc  300
tctgcattga aacttaacct tttttttaat gat ttgagtt ggcgagagga catggaatag  360
gat                                     363

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<210> 30265

<211> 391

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044a03d1

<400> 30265

00222EO"ETTESO

cattatacca ggaggtggaa cctgcccct acatgcgaag ccttatattac tacatattct 60
ttgttgggcg cactatatct atcatgcttt ggttaaata cctgctgccc gattgtgccc 120
ttctctgcaa acagaacgtg tattttttgcg gtaccataaa tgcgggggac atgggggaag 180
tgctgatgcc ccagataatg agctgtgaca ctgccaagac acaaggacct ggggcagact 240
gcctagctca cacaacttaa gcacggaacg ccgaggggtg tgtgttgagc tgctcacaca 300
atcacatcta tcccccccc tttgcaacat ccaagatcat gaatagggca gtaacggcgg 360
ggccctcttc ggacctgct ggaaagctta a 391

<210> 30266
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400044a05d1

<400> 30266

aaccccccca aaaaaaacc ctttttaaaa aaaggggggt aaaaccccc ccggagccct 60
tttttttaaa agggggggcg gcttcagggg gggtaaaatt tttaacaaac ccccttttcc 120
ccaaaaaaaa ttgggggtggg gaaaaaaaaa aggggggggt ttaaaaaaaaa ttgcgcctgg 180
gaaaaaaaaag gggggggcct cccccccca tctcttgtga aaaaacgggg gggctttggg 240
ggggtttgtg aacaccccaa aagggggga 269

<210> 30267
<211> 312
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400044a07d1

<400> 30267

ctcaaaaaaa gcattccacg gggcatactt tttaatccta ggcttctgc atacatttta 60
accagaacac aaaacacaac actttccatc cctatacgtt ctaaactca aacatcacat 120
ttgaacctct taccctttca cggtaacca tggtttcacc cattataccc tccccaagaa 180
caaacgcaac cactcctaac ttgaaactca cggaagaacc tgcataataa gcctcagcgg 240
gcaagctcct tggtatcacc attgtcacta tcatccccag agggaccggc acttatgttt 300

tacctcgtac tt

312

<210> 30268
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044a08d1

<400> 30268

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 cttcaacact accacaatac cacggtttac tgggccgaaa aacaaggaca gatgcctaac 120
 gtccttagga aactcactct attacataag ccaaaaataa tacatgaatg agtcataacc 180
 aacagcaaaa atatcactga ccaccatgct ttgccttggt atgttggtgc agaccacttt 240
 cattggtgaa agacttgctg caggttttgc aagagagtc accagactta ggagtcttgg 300
 ctttggttc actgttgga gtcttggtt tggcttcgct gttgggagtc tttccgcctt 360
 tctttgcagg gtgaggagt gctgtatgac cacctttctt accatcagtc ttttcaagag 420
 tagcattttt ggctttcttg gaagaaactg gagtttttga tgcagactca ttgggtctct 480
 tctttccc 488

<210> 30269
 <211> 563
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044b01d1

<400> 30269

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 aggagtgtaa aagagggtaa tatatatttt acagaatttc tgaaagagca gaaaaaggaa 120
 gtaaagacaa gaatgatttg tgactcaaat cctggaaggg atcataggaa tagtggtctg 180
 taagtatgca ctggcagcag caactccact tccaagcttt acaggataac ccacatcttt 240
 gagtatcatc tctacaccag ctagacatcc caacagttgc aactcattca agtggccaag 300
 atgtccaatt ctgaaaacct tcccagcaac tttgttcagt ccaagaccta agtcaaatt 360
 gtatctcttc catgccctcc taactatttc agtactatca atgtaagcag gaacaagaac 420

agcagtcaca gtgtcactgt accactcttc cttttgggtg caattcttca aaccccatgc 480
 ctctacagca agtctgggtg ctttgcctaa acgactgtgc cttgcgatca cattttcgag 540
 tccttcctca aaatcagatc aag 563

<210> 30270
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044b02d1

<400> 30270

cccttgatga tgaacataga caatgggctt ttgaaatgtg ctctactcaa tgatccgtaa 60
 ttaagcaaca gacatatgct cgttccaatc agcaggggaa ctcaacaatg ggaacacgtg 120
 aaataactac ccgagtaaaa tcactttcca acatgctacc aatatgccta ccaaaggaat 180
 actacaaata aaaccacaat gagactatta agattathtt ttctcctctt catttggtgg 240
 ctgggtcttca ttcttctgct gtgggtcaaa ctgattttgc atggaagcca gcaaattctt 300
 gacagatggg tcatttgggt caaccccagg aagcgatgca aggatagaag atacaaagga 360
 ctgatctgcc aacagtttac tcacgtaaga ctggctagcc gagtcctttg agctgtcttc 420
 tactgacaat tggagagcta gagccaactc gggatcttca gcag 464

<210> 30271
 <211> 436
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044b03d1

<400> 30271

aaaaaaaaac ccctcactgt tttaaccaca tgaattttac gttcaaagag aaaacaaaaa 60
 cgattaaatc cttcttttaa gtttggaata caaaagaaag ttgcttgta tcccaaatta 120
 atagaacctt attttgctg acacaaaaaa caaaggcagg ggattgagct gagttaacta 180
 gcaattcttg aattgagaaa accatttttt tttttatata aggggggggtt atcgcttttt 240
 tttagcaact caatcattcc ctccctttg atttgagttc actcccagtc ttcggcactc 300
 aattcatcat tttcttggtt gggaggggta acaaccaata acacagttcc taaactttga 360

gtgaaaccct tttcctttaa tcccgaaccc cttttgacct ttaaaccctt accatgagga 420

tttacaagat aaaacc 436

<210> 30272

<211> 500

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044b04d1

<400> 30272

ggggcagaag tttctgcttc cttggctaac aatTTTTctg ccttggtttc tttctcttca 60

aaatcaccct cctccttata tttcatagga tttcttgact cagaagattc ctctttaact 120

tccttatttg agatcctttc cttctttgca tcttcagcac ttgtttcctc tgtcttcttt 180

tcctccaatt gtccttaac tgatggcttc cttgtaacat ttgttattga aggtcttgac 240

tcttcttctc ctacaccctt gtggggcttc tcagcagttt tgactttggt cagcattggt 300

ggtgtttggt ttgcttcaaa ttcctcttca cccttttggt gcctttcagc tgttttggct 360

ttggtcaaca ttgctggtgt tgattttgct tcaaattcct cttcaccctt ttggggcttc 420

tcagctgttt tgactttggt cagcattggt ggtgttcgct ttgcttcaaa ttcctcttca 480

cccttttggt gtctttcagc 500

<210> 30273

<211> 388

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044b06d1

<400> 30273

aaggacaaac tcatgtaacc ctgccaataa aataaacctt catccctaaa ctccagcacc 60

agcagcagct tgctcactta aatacacaac tcctaaaatt tctaatgtca ccacggggta 120

agcaccctga tggggagcca agggttgggc tcaccctggg gtttaccctc cataatacaa 180

ccaaagactt acccaccata taataataat ttattaataa taaggtaacc taaagaaata 240

attaaaaaaa aaggcttttc accatgacat gcaaaagggt agacctaag atccccacaa 300

ctgggaccat ttttaaactg gtttttctca ctcacactgg ccataagttt aagcttcagt 360

tttctcaaca ggaacctcta cgggggct

388

<210> 30274
<211> 137
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400044b07d1

<400> 30274

ccctttatac tatttcatct ccctattatt acgtgttaaa acatttgaga aaatgctata 60

atagaagaca cccaactgat cttaagtttag aattaaatag gttttatatg ggtccgtcat 120

gtcagccggt ccggaat 137

<210> 30275
<211> 450
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400044c05d1

<400> 30275

acacgttcca atgtaaagct ttgtacttta aattaaatta aacatagtag atctcaacat 60

tgttttagctc aaaatcagtt tttttaaaaa ttcaaagtc cactgagata tcttttattt 120

tgagcccgtt aataataatt tataagccac caaacagctt tcatattacc actctataag 180

atagaactcc aagttctcat gatcaaggaa aactgaaaac agactcaagc aaaatcaaca 240

cagattatca ccatcaacca tcacacacac acaagtatag cttgggtgtcc taaactcgta 300

atcacaaatg ccctcagaga aaaaatattt agtcttcttt ccccaacaga gtgagaagga 360

acttcttgta gtcccctgag atttccttgg caatagcatg ctcaagaaga acgctgtttc 420

tcttgtagta aacctctgag attattctta 450

<210> 30276
<211> 470
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400044c07d1

<400> 30276

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 aacgacacta aaggaaatta taccctacat accacaatgc cgatgtactt gcaattgcaa 120
 gtgatagccc tgttaaaaat tgtgaattgt cagtgtctaa aaatgggtccc atttaacaac 180
 atacacttga aaggaaattt ggcaatgacc tatagaaaat agatactacc ttgctccctt 240
 ggttcattaa cgatagtatc cccacggccg gccgcagaat cgacttgcac cgcaagggat 300
 aaccggcccc acccctaattg ttctgtgca ctcccggtgtg ctgctggcca tagatagcta 360
 gaagattgct gattcatgag gctcctcac ctagaacttg gcagacccaac tgtgcccgga 420
 cctgatgatt gctagctgca tactaccaa caggccacac ctggcactgg 470

<210> 30277
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400044c08d1
 <400> 30277

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 aaaagcaatg catccaaatt aaaaccacat cggttcttgt acacatctga acatcaaaca 120
 caacagaaaa cagaccacaa gaacaagaat ctgaagtaga ttctagtagt cttcatcctc 180
 ttcttgccc tcaccagact cagcaccac ttcttcataa tctttctcaa gggctgcaag 240
 gtcctcacgg gcttcagaaa attcaccttc ttccataccc taccacacgt accagtggac 300
 aaaagcacgc ttggcataca tgagatcaaa cttgtgatca atgcggccaa acacttcagc 360
 cacactggtg gagtttgaaa tcatgcaaac tgccctctgc accttggaac ggtcgctctc 420
 aggaacaacg gtaggtggct ggtagttaat accacacttg aaaccag 467

<210> 30278
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400044d01d1
 <400> 30278

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ggataatctt taacaaagag gatcataata caagcatctc tacaaaccct ttcagtcacc 120
 caatgaaact caattccgca gggattgac caccagctgc cacaatctgt tgctcaagcc 180
 tgaacattgt ttcaagctta ttcttgacta tgcagtactc ttgtttcact tgttgcagac 240
 atctgaggca cgcattctgt ttctgctcct cacagaagtt gcggaaagca atgcaggcat 300
 ttttcaccct ttgcgcgcct atgcttgaac tgctaccctt taactgggtgc acatgagcat 360
 caactttt 368

<210> 30279
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044d02d1

<400> 30279

gtaaaaagca agtaacatta agttggattg ggatacacia gataattcac attatctgaa 60
 gtacattgca ataacatata cttcaccaaa cacaatcta aaaactctca aaagtccaca 120
 agtcattcctt ttctttcatg ctcaattgcc ggggacgaag ttggtggcgt aggcccaggc 180
 attgttggtg actgggtccg caaggtgac agcaagggtc tccaatggac ccttaccggt 240
 gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cgttcttgag 300
 ttctttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa 360
 gctgccacca gggtagattg ggtcagtac ctcaccgagg ggcccaccag caatacgata 420
 accctcaaca gcaccatta ggataacttg ggtggcccag atggcgagga tgctctgggc 480
 gtggac 486

<210> 30280
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044d04d1

<400> 30280

aaaacggcaa gcataggaat agtttttcat tcgatttcta attctgcgca gcgattcaac 60
 acaaatatat ttatatttat agaaaaaaaa aagaggaaac gaggggtaaa agtaataaca 120

aatcgatcat aacaaacagg catagattta ttattcaaga gggattgggc cttgcccagc 180
ctagctataa acatcaaate caaagcgcct aatcggtttt ttcttcgcca ttgctagcat 240
tttcacgatt ggtgctcatc atccgcttga actcggggaa gttgacgttg ccgtcgccgt 300
cggaatccac ggatttgatc atgttggtggc attcctcgac ggagcacttc attccgaggc 360
ggttcagcac ctggcagagc tccgtggcgg agatatggcc gttcttgta tgatcgtaca 420
ggttgaaagc atcgtggag 439

<210> 30281
<211> 430
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400044d06d1

<400> 30281

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attcacacat gataacgccc tgagggcttc gccaaactggg gtcccaagac cggggatggg 120
gttaccagaa agcagagggg ccaccttaaa aaaagggctt tgaatcaagc tgatcatacc 180
atatgccttg aatcttaaca tccttaggag ctgtagcccc catatcaaca tcagaagggt 240
gaacactttt taacacccca ataacctcac cagtctcagg gttggacctg gtgacacca 300
aggggactct cccttgggaa gaggaagcac ttttattgtt ctcttggca agttcctgtt 360
gatcttctat ttcaccagca ggcaaagtaa cagctttgtg ataaccggtt gaggcgcccc 420
cttcttggg 430

<210> 30282
<211> 308
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400044e01d1

<400> 30282

caaaaaatct tttctattac agcaaacaaa ggtggggggg ggggggaagg ataattcatc 60
tacctattac tagtctctc acttcactaa acatacaaga ttgacaaaag aaaaaccact 120
caccacatca cacatttgca agactagggg tcattttcta tccctcaagg ctttgatttc 180

caccacata catataccct aattgcctgt aagcaatcca atgaataaag aacaacagat 240
 tgctttttta tctgtacaca caccctcaca cacactggct gtaaccctt gaacacagca 300
 cttgactc 308

<210> 30283
 <211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044e03d1

<400> 30283

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 aaattagggg tcaaggaaag taagacacaa taaatctctt gcaacaccct taaagcttca 120
 tattgtggta acaaacttta tagagccgct ttaaccaccc caatagagca ctactaacac 180
 ctttaaagct taatttccta agtacaagtt tacaattatt ttttttagtg gcaagcattg 240
 atactatatt aaccaattt gttggaacat taattaagcc tcaaaaattt caggggattc 300
 agcatttgct tggacaagct caggatgaac gttccccact gaatccaaag cattgggaag 360
 tccaatgat gtcaaagcca gatgggcccg tttttgcctt g 401

<210> 30284
 <211> 335
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044e04d1

<400> 30284

cttagaatga gttcggataa aactaatttg aattagggtc agatacaatt tggttcaatc 60
 cgaaccaatt attttgcaca ctttcaagt agtcaatatc ttttccatga catgatctgt 120
 ggaaacgctc acataatcct attatttaca cacacaacaa gtctatgatg ttccaggatt 180
 gttacacatt ttaaacadat caagagagca aattgttaca tttagacaga acctgttcag 240
 gaaggcaggt tatcacatct aggaatgcac cctgccattc tcccttcaat caatgcgcgg 300
 caacaccgac cgacttggag tccaattcag gagca 335

<210> 30285

<211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044f01d1

<400> 30285

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 ggatatcaaa gcaatctgac ttgaaatttt tacaaaagtc aaaattcaaa gacagtaaaa 120
 gggggcagca ctagagagaa gagacattgt caaagataga atctacaaac tacttgtcta 180
 gaaaaaaaaa agattatact aatttgggtct ctactctaca atgagtctct cagttacatc 240
 ttgagagact gcttatctta gttgtcatat gctccctctt accctttctt taagctactc 300
 aaatcattat aattataatt catatggatt ctttattacg gtgacatttg atacatcatt 360
 ggttgacaac ttgcaagaat cggaaccgag tggctctgcc tcaatcagaa gctgaacaac 420
 cttcttcatg ggaggtctac ttgttgggga ttgt 454

<210> 30286
 <211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044f02d1

<400> 30286

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 gttttaatgc acaacaccaa tgtaaagggtg tgcacctcca atgttgatct atataaataa 120
 caaccgctaa gaaacaataa tttccatgaa cagtgtataaaaagatgga aaagatgaca 180
 aagcataaat tatgtcaata taagcaattt cacctgcagt aaaaacccaa aatgagagat 240
 aaaccttttg gtcaaaactc aattgtaata gctgaacca gtgtcataga cacggccacc 300
 aggatatgga cctctagggt caaatccttg atctctacca cccccaagaa atcgagctct 360
 ctctcggtaa ggatcaagggt gatcggcaga atatcctcgt tgcacttcac ctgtacctga 420
 agcattcaca ttgttgtaac catgaggggtc tccgggtgcc atgccaccac tggggtaagg 480
 atcccttatg atttgctggt acttgctgtg cctagcatgt gattcccttt 530

<210> 30287

<211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044f03d1

<400> 30287

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 ttatacattt tcgaatccgg taagctagac aatcaaatca attgatgatg ttgcccttct 120
 tcagtgatag aagaaattac atgaaatact ataacagcaa taacacttaa ttaccggc 180
 ccccttttct agctacttgt taaccctaaa aaaatggagt taatcttgat ctcttctatc 240
 attacatata atcaaatgta atgtaaccct tgttttaatt ttccaagtac tactgaagcc 300
 tgcctaaaat aagcttcatt tcaagatccc aaaataaact tgggtcatgaa gagatataag 360
 cggagccaga tatacatata aggaattgac agaagaggaa aagaaactca tgtatgaatc 420
 gatcctatca gctgttagcc agttatgaag aaatccaaac aagtgtagtc cccacatgat 480
 ctgacggaaa c 491

<210> 30288
 <211> 370
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044f05d1

<400> 30288

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 aaagactgtc ccataagaaa actgcaccgc agccaattgt tcaatgggtg caaaataaaa 120
 attaaaacct cccgtaaacc ccaaagattc actctcagaa gacaaaatca ctcttcaaca 180
 acattcacta attcatattc aactaacgaa aggttggtat cctctttaac gtcaaaatct 240
 gcggggtctg tggggtcaat acgccccat ttatccaactg cagggtctcat agatcccttg 300
 aacatgtcaa tctttgcatt acgcagaatt acagttgcgc cagcatttat atggtccacc 360
 tgttctttgc 370

<210> 30289
 <211> 451
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044g01d1

<400> 30289

gggaagacaa atttcataat ttcaggcaag caaaaattta tggaatcttg ctctcaagtt 60
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 tggccaactc aactaaacat tathtagaaa cctacaaaat ttaacaaaat agccgcggtt 180
 gtgtaaaatg acaaaactca attgcacaag cccatcgctg atgatagata ctctgctaac 240
 agagtaagag tcaagtagtt gggataccaa tctcacaaca acttactact caatgatgga 300
 ttggataaca cccgctccaa cagttttgcc tctttctcta ataacaaacc ttattccttg 360
 ttcacaagcc acaggcccaa taagttcaac caccagctta acacggtcgc ccggcataac 420
 catcttgac tttcatccc tgggattcat a 451

<210> 30290

<211> 413

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044g02d1

<400> 30290

aagcacaaaa gacggggata acttgatatt atttattac atacatgcat agatagcctg 60
 ctctcaaata agtcggcggg aacaaagatt gagagattca acgatcttca aatttcacat 120
 ttgccagaaa tttttaacag aaaagagggg gttgggatat gagttaagtt ttgatcacat 180
 tcaactacac tatcccaaac cgggtactctt aaaactttga acttcaactg tactctagga 240
 tcatgttggt ctcaggagct aatccaacac aagccctcag gatgttttcc aacatagctc 300
 gctggtttga caacgcattc accactggtg taccgggtgg aaccagaggg gccttggtca 360
 ggtaactaag gatgggcgca actgggtgga atgagtgga ttttccctca ttt 413

<210> 30291

<211> 332

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044g05d1

<400> 30291

acccactct agaacatcat gatttattha tttatttatt tatttatagc ccttaacaca 60
 tataattccc tggatacaac atgttttctg ggcatattca actctagaga gctttatctg 120
 atatgatcat cctttacata ttcaaagata gctaaatact taactgtata atatatcaca 180
 cacaacgaga gggacctata tagagtaaata aataaattta agtttaattt atacacacaa 240
 accttgagta tataacatcg tgatccaaat attcaacaag aatttacttt attaccgcat 300
 catgttaaaa tgttgcgata aaagggggga ac 332

<210> 30292

<211> 468

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044g08d1

<400> 30292

ggagcataca atcacggttg tattggatgg acaagtcatt cttgcataca ggctatacaa 60
 aaataataag aataataatt atgctgtgtt cacaatgaaa attgcatctt taattgagcc 120
 aagagaaaag aataataata tacatgccta gctattttga tcaagcaatt aaatattgaa 180
 gacagcctag cagtagcgca atcagagatg aaatgaaata tggagcagca gaaagagaga 240
 atgaggttta ctgcagcttt tcccccttac ccaccaaagt aacacaaatt agaaggatat 300
 aaagatatgt agattgattg gacagacaca agcaaaactc tcccagggg ccagaataag 360
 tctaaacata gcaaggagac tgatgcaact ccaaccgtta accatttcaa aatcttaggt 420
 gctttctgct ggaacctggt tcacaacacc aatgttgttc ataggttt 468

<210> 30293

<211> 538

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400044h01d1

<400> 30293

attatgtgac tttaaaacaa acatgagcta attctcattg atgatcattt ccaggattgc 60
 atacatacaa gatcatcgtc gtcgtttctg agtattggta gaagcagcac aatcttctac 120

aagggtttaag acattcaaatt tcatttggtg tacacaaagt ggggtcgacg actataatac 180
 acagctgtac aacacttaatt ttgctagtt tccttcattt ctgtaactta ttccccaata 240
 tactcctgat gaaaaattat caggaataag ataccataa taccctata ttcttcagaa 300
 ctgaccctaa caagctaatt agagctcatg ggctgattta cgaagattag caagtttgtc 360
 tctccatata gctgcatctt taaatctttc ctgtttgata gctatacgca tattatgcat 420
 catacttagt tcttgagcta ccaaactctg accatctaca gcaactgtcaa gcaatacatc 480
 ataaatagtc tttttattac acactccggc cattccataa ccaattctga tagcatct 538

<210> 30294
 <211> 369
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044h03d1

<400> 30294

agggggggttg gggattttta gggactaaa gcaaaaaaca caaaggagag aaaacacaga 60
 aaccaaggaa ccacacgaaa tggcaactcg ggcgaaatag gcgggggccc gacgccggca 120
 agggggggggg ggagccgaaa accagggggg agcgctaaga aagaaagcgg ggcgggggacg 180
 gagggagggg gccggggaac ctaggcctcg cccaaggaaa gcgcgattgg tcaggacggg 240
 ctatgggcag gggagagcag gggggccagc ccggagccgg gaacaagggc aagcgggggc 300
 cccgcgagcc aggcgtgagg gcaagggccg gaaacacctg gggggcaccg ggggcgggtg 360
 ggagccggc 369

<210> 30295
 <211> 348
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400044h04d1

<400> 30295

actgataatt gaaaatTTTT atttctctag gataagatac aatcaaakat aaccaagtt 60
 gcgggggttac aaaccaacca aaccacagac taatagcaact cgaattagca accagatgca 120
 cgacaattt ctcacttttg tttttctcac tcataaatag atcacacgat ggggaaaaag 180

gaaaaagaga gagagagaga gagagagaga gagagagaga gagaattaa ggcacagccc 240
 tcggtactat ggtcccataa accttttaaa tatatagggtg atgcagcagt ctaatcactg 300
 tcactgctgc tgctgctgtg atggccatgc tcatggacat gcgccctc 348

<210> 30296
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400044h07d1
 <400> 30296

cgccctaaat atttgatttt tttttcttca ggtcctaaaa cataattctc ctaacaagga 60
 acaaaccata gcagtcataa tggatgaaaa aaaaaagtaa atatttcgat atgttaaact 120
 gactttcaga gatcttcacac ttaggaaatg aaaaattcac tttttgaaaa aggaaatgat 180
 aatgaaagtt cttcaaaagg aaaagatgag caaacgttgg aaatgaaggt atccagatag 240
 caattcatag ggtgaaaaaa aacaattatc agaaatcatc gtcacacctc tctgcaatat 300
 gcttagccag ctcttgctct tgctgttgac tctctcttct cttttcagca ctttccttct 360
 ctttgtgtgt gttgggagga aatcgaagtg ctgaaccgc ctcatgtgc atgttaagac 420
 agaaagcaat ccgagaatta aaggctaact gaggtcatt tgtggagtaa atatctccag 480
 tttctttgga ca 492

<210> 30297
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400045a12d1
 <400> 30297

cttccaagga aggttttccc gtcactactg tatgacgtcc tccttctttg gggggggggg 60
 ggggggggca tgggtaaata gagcatggta caaccttaaa gttctatgga tatattagag 120
 aaagaaagac gagttgctg gatgaagagt atatgggttaa ataaaccaag aacgggtatt 180
 aaacccaatg ttggtacgga tctggttggt tgactaaaaa tagcaggggt cggcgaacca 240
 agggcaaatt aaacggtaag gcacgttggt gacgagtcgt accagttaat accaaagaag 300

acaaagtgcg gatgtagacg cgataagcat agttcgggga agaacaagag caggaataac 360
 gtacttattt agagcggata ctgcgatagt gccaaagtgc cngaccaaaa caaagtacct 420
 gcatgccagg tgcgggtgcg atagagcaga tctaccacat gctttactaa aggaaaaaaa 480
 aaaaatgtgg tgcaag 496

<210> 30298
 <211> 192
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400045b11d1

<400> 30298

cttccaagga agcgtttccc gtcactactg tatgacgtcc tccttctttg gggggggagg 60
 ggtgggtggg gcgatgggga taatggagcg tgggacactt taaacgctaa aagattggat 120
 tagggtaatt tgggaggacc agaaaagatt aagattattt ggcaacctgt acaggtatgg 180
 tatttgacca tg 192

<210> 30299
 <211> 356
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400045d02a1

<400> 30299

tgtatatgag actacactga gcatcgtcta gctatctcga tcgaactgtc caaggtcctg 60
 tcactcctgt cactgtcact tcggtaaaat agaaaagcat tacgtagggg cagcctggtg 120
 cgtacgaagt gaccgtcggg gtgtttgcga taggggggtg ttaacgtatt tgaaagcccc 180
 tgcactagca taaatgtaag ctttattaat aagggcggct tgcgatgcc atgggacgtg 240
 ttgaacgtga attaaagaca agtagtcaa acgaagaggg tcaacggaaa ggccacatag 300
 acatagccag ttacataaca cgggttaggt acgtgcgttt tgcattgtgcc catagt 356

<210> 30300
 <211> 546
 <212> DNA
 <213> Glycine max

[illegible]

agtttccgtc	atcactgtat	gacgtcctcc	ttcttttgggg	ggggggggggg	ggggggggcg	60
gagccaatgc	gtaatgacca	ataatagaga	ggcccatct	gagagaggag	tacaatagat	120
aacagagggg	aaggtgcact	gaatatacaa	aactacaaa	caaccggggc	ggggtgcgcg	180
ccccacacc	cccagaacaa	tattgaaagg	tataacgatg	atgacgaagg	cccggaatag	240
atagggataa	aatgatattt	ctagggcgcg	tagatttaac	cttgagaagt	agccaaagca	300
ttaatacgta	gacgcacggg	tggcgtgtaa	cgtttggttc	gcaggttgag	gttagcataa	360
agagcacccc	agtgttaacg	gcttggcctg	gcataaaaga	gataatccga	aaagttaagc	420
ttaaaaacaa	atataatttg	gtaatcgcac	agacgtaagc	tttacaacgt	aggtggttta	480
ttaacttact	gcgacggcag	acaatacgtg	ggggtggctt	aggaaactgc	gagcgcggcg	540
acggag						546

<223> Clone ID: jC-gmst02400046a04d1

agtttccgtc	atcactgtat	gacgtcctcc	ttcttttgggg	gggggggggg	gatcgaaagt	60
gcggagggta	ggtagtatgg	aagagcgcca	tgcgcgggat	aaagaagggg	gggacacgaa	120
gagttatcag	cccgttaaaa	agaggcatgg	taagaggggt	atgaaaggcc	gagcagcgag	180
agtaccgata	gacagaagga	taaaacacaa	aaaagccgga	gcgatttgag	cagtacaaga	240
accgacaaaa	ccatgaagaa	cgtgagatcg	aatagcagtg	gaccctgggt	gtagtcaggt	300
gccgtattgc	agcgagcgta	ggcgttaacg	aagttatagc	gtgacaccgt	atattgcata	360
cgtgtaggtg	gttagtacct	cgtagcgaga	gagccaatac	gtggtgttag	tgcggcaatt	420
gcagtacccg	gaagttacaa	aaatacaata	gcttaattgc	agtacggagc	gcatgtttaa	480
ggcaaacagc	aagctaacgg	tgtaacataa	gcttgaaccg	acggtctaga	cgggcaagtt	540
cgggactttg	cattggggagt	gtgggggtgtt	aacgctgggc	gagtgcctgt	ctggagagta	600

gacgatgcgc aaagat

616

<210> 30302

<211> 518

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400046a05d1

<400> 30302

agtttccgtc atcactgtat gacgtcctcc ttctttgggg gtgggggggc gggagagtgc 60
 caagacagcc agccaccaac gaacagcaac aagcgcgtag agacggcgta cagacggctg 120
 acatagctaa cagagcgtag cagtgcctcc agctaataa actaaatggc ccctggaaag 180
 gaggtacata cctgaaatgg cgtgccgtta gagttgttaa aaggaaggga acatgatgga 240
 caattgaggg gagtgatacg gtgatatgcc gcgaacctac atcgacaaga aatgtcaaga 300
 attagattaa gtggcggtgg catggcggtg gataagtggg ggggtgtggtg taggaggtag 360
 aggggggttt aggttgggtg cccggccagg gacaaattgg ccacggatgc tacagcaacg 420
 ataccaggta tatttcaata agacgccggg gaggttgtag ccagcggggc ggggcgtgcc 480
 gcttaattta agatatgggc acagtaatta agagtggc 518

<210> 30303

<211> 572

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400046b04d1

<400> 30303

agtttccgtc atcactgtat gacgtcctcc ttctttgggg gggggggggg ggtctttaga 60
 atatacaagg tgagatgaga gaaataacaa aaggataacc caaacaaggt agggaagacc 120
 ttgattatt gggttgttag agacgagcgg cgggaagggc cccacagcg gtatgtggtg 180
 cgtggtatta agcacttata agacttagac tggggaatag tccaggtgct gggggcaccc 240
 cgttaccata aaaataaaat atggcgcggc gaggcgaacg ccgccacggt tagtaagcaa 300
 cgtaggggaa aagcatcgct agcgtggcgc acgcacgacg catgagccgg gtaatggcgc 360
 gccattatg tcgatcgacg aaaggaaata acgccgccag acccgtttat taggggggac 420

gtataaaaat agccatagcc cttgacggac gacaccgcct ataacactta aatagtcagc 480
 cgcagatgaa taaacgtttt aagccgggca cagggttcgtt tagccgatga ttgcctcatt 540
 gaaggatatgg gtagttaggt gattgataga ga 572

<210> 30304
 <211> 348
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046b11d1

<400> 30304

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 atgatagtag tttcacgata atgcaaataa taattatgga aatacttttg ttacataaaa 120
 atcacgagtt gataacaacg tgcttagaat taatggatgat gatagattg ttacgttatt 180
 aattattatg atcctgttat taatagcata cttattattc ttgatacgcg aaaggggaca 240
 cttgcacatc tattgtgcat tgaagagtag ttcttaggga acatagccac catggccacc 300
 accacttcca ccacctcctc caaaaccacc accatgtgct ccaccagc 348

<210> 30305
 <211> 349
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046b12d1

<400> 30305

aaagtaaata tcattttattc aaacctaagg aaacgcagga acacaccatc acaaactcat 60
 gttaccctgc caataaacca tcacccttaa actccagcac cagcagcttg ctcacttcaa 120
 tacacaactc ccagaatttc ttatgttacc acgtggcaag cacgctgatg tggagccaag 180
 tgttgtgctt acacgtaggt gtaccctcca ttatacaacc aaagacttaa gcatcatata 240
 ataatatcta taaagccttc taccggaatc caaggaaaaa taccacagga ggctcttcta 300
 catggcatgc aaaatggtag acctgatccc cacaactagg accattttt 349

<210> 30306
 <211> 445

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046c11d1

<400> 30306

aagtaaaagc atggatttat atatattttt ttccacgttg agtacaagag attaaattac 60
 ctaaaagaaa atatcacaca ctgaaagaaa ggaaagtgtg tgaaaataact aaaggggtatt 120
 taccaatggc tcttgtcttg aaaagaacct ttaatctaca taataggatc aaagaaaagg 180
 ttgcaataaa agcacaagca attgccatta ttgacaatat ttttattatt cttataattt 240
 cctcttcatt ttgaactcat catgaagaag aaattaaatt gactcaaata gcgggggttg 300
 tcctgaatga tccaagagcc ttagcagcac ctgctctcaa gatgaattgg tggtagaagg 360
 ctgcaatggc tgctccaata aatgggtccaa cccaaaagat ccaatgggtca tcccaggcct 420
 tctgttggtt gtacatgaca gcagc 445

<210> 30307
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046c12d1

<400> 30307

gcaattacaa cttectcaag caacttgacc aaactaaatc acatgaaaca gaatgatacc 60
 aaacactagt tgaatgagta aacttacggg agagacaggt agaaagggga acaaactgta 120
 gttcgcatag caacataaaa ttgagtggca actatttact gcaatcagca aggcattctat 180
 ttcaccactc aacatgctgc aatcaagct acaaaaagaa ttaagcaaaa gttacactat 240
 ttaagaaaaa ttctcttcc agcatgcctt ttgcttttagc tggtagagaga tagcaaagca 300
 aacttcaatc tatctttact gatgagaaca agtagtgac aaagtaaaat gacataagga 360
 agccaacggt tccagttgac aacatgattg caattgccat gagcagggaa tagccgagat 420
 aaagtatagc tgagacaggt cactcaaac tctgcaggtc gaaaaccaag tagttaatgg 480
 agtacaggaa gacataaaga gcatcagag 509

<210> 30308
 <211> 449

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046d11d1

<400> 30308

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agttgacaaa ccagtagagt atttatctgc ttttcacata ctatcataca gtacattcca 60
caactataag tggcattctt tcacactact acacatgaca catctataat catatgtaac 120
atacaagacc atataacagt ctatttcccc ccacaagtat tattactcaa gtgattacaa 180
atcacttggtg aagtcttgag cacatgatca aggtattcca atgatgggga agaaaggaac 240
ataatagcta cttggtgcca atccccactc tggaggcaga gggagatcca cagttttgga 300
tgaaccaacc tttttcccag ccttgcatth tgtgtttagg gggcatgatg tcctgaaact 360
aaggggagtg gagatggtgt aactgthttg ctctttgccc ttaataattt gggataccct 420
ggttttccct tgagacataa agctgaact 449
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<210> 30309
 <211> 460
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046d12d1

<400> 30309

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caggaaaaat acagaagttt gaataaacia attttgagtc tacatttcca atttttgcat 60
aaacaccttg acctgtgcta cataataatc cataataaat taattttagc ttcccatatt 120
tatccactcc atacaaatgc aaccacgttc atggagttgg tcagttgggt agggagagaa 180
ccataaaaaa cgtgagattg aatcatgtta aacttggttg tataggctgt cctttattta 240
actcagccca ttactaaagc ttggtacagc aattcaaata ttatatcacc cttgttaaac 300
aagattaatt tatttcgatt atgggaagct agaagagaat attttttgaa aagacacatc 360
acaaacaagg gaggcctcag ggggaaccaa tccccttttt aatgagcata tcatacaccc 420
tgtcaatttt catggcatcc atcttgaaca attgatgagc 460
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<210> 30310
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046e04d1

<400> 30310

agttttccgtc atcactgtat gacgtcctcc ttctttgggg gggggggggg gcaaaagaag 60
ccgggtatcc gggtaagggc taggtagggg ctagatagta aagtcattgtt gtttaagttta 120
atgtgtgtat gcgaacacgc gaggatacag aaacaaagaa aaagagtaac gattagaggc 180
tgctatgaat attagggcag agtatggaaa agtaggagag gttgagcatc acggcgaaat 240
aaagcttatt aaaatatttt acgatacaaa ttgggttaac gagcgctcag caaggccaga 300
cgaagcgaca gcaacggaaa caatgcataa tgttcagcag taaggcaggg gttagaacgt 360
agcacaagta aaacccgatg aaaaaccacg gcgaaaagca agataaaaaat tgggggttgg 420
gttaggggtt gggcaagaaa agcaggagca taagggtgaga ttagtacaag gtacacggac 480
cgtgttagag cacacgaggg gtggga 506

<210> 30311

<211> 361

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400046e05d1

<400> 30311

agttttccgt catcactgta tgacgtcctc cttctttggg gggggggggg ggattaaata 60
ggctagaaga gaggcagcgg agtagtggag ataaggaccc gtgtaaacag gaagaacgtg 120
gagtgaatgg ctcgattaaa aaccttgttg aactaatttg attatgttaa gatggggtaa 180
cttgataagc ggcgaatcgc gcagaaaaag tgtatgtgat tggaattgca gggcgcatc 240
aacgtgggca gcgtaaacgt agtattcgta cagcgtggtc gaacgatatt tgggttagca 300
gcagttttca gaggacagga cttaccacga atagtaaaag tgcccgggta tatacaaagg 360
t 361

<210> 30312

<211> 515

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400046e11d1

<400> 30312

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 gtaaaattgt atcaaaacaa ctctgatgaa ttgttctgct agcattaaca taattgatga 120
 caattccata ctaaataaaa aattatataa taccattccc ataacaaatc gttaccgcaa 180
 ctttatccat ttatatgtct gcagcaagaa agttaccgga cagtgcacc ttctcgccca 240
 atttgaaggc aggcagtccc ttgtaagggc aggtactgca cctgaaagca tcccctagcc 300
 cacaattgcc acaagctgat tgaggattat caatctgttc tgttgtcaat cctaacttca 360
 atactttttc ctctttttca gccctcccac aggtgcaatt ttgacaggct tttcttgtgc 420
 tccaatttc acaatcacca ggtggaagct ggggtttctt taaatcttcc tcagtcaaaa 480
 gactatcttc atcaatcaga tctgaatcaa aatca 515

<210> 30313

<211> 587

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400046f02d1

<400> 30313

agtttccgtc atcactgtat gacgtcctcc ttctttgggg gggggggggg ggcaacaatt 60
 tttagggggg cgtgcagaat ataaaatagg gataaaggta atgacgaacc cagaacatca 120
 tgaaaagcct atgtaaatct aaaccggcga gaaagtataa agtagaagaa aatatatgcc 180
 aataactaaa ctggcgtaaa accgctaaga caaggggagc ttataatggc caaaaggcac 240
 acgggcgcca ttagaatgat ttaacggcat tagtttataa atgacnagag gggtagagc 300
 acgaatgaac gtggtaccg cgtgcgtgtt tattacaacg ttgatgaggg gagagaagta 360
 ggggacggcc tatcgtgggg caatatagta acatttagtg tacgaccagt acgggtggct 420
 aatgtgatgg caaggtagt tactgtttgt ggcaagtgcg tgggccagtg gctagaaagt 480
 agtggctgtt gtatttggca gcgcngtacc cgattatgta aggaaaaaaa ggtgctgggg 540
 acccataggt ttggacgtac agatgaaaag agaaatctag aatctat 587

<210> 30314

<211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046f03d1

<400> 30314

agtttccgtc atcactgtat gacgtcctcc ttctttgggg gggggggggg gggcagaagg 60
 agagagtact gttataaagg cagaataaat acgacgaata ggaagcccat aagacacggt 120
 aatataaatt aaatggaggg gtaaaccgta ggatacattt aggatatagt atagggtggt 180
 ggaaaagcgg gcccaaaagt taatagtcaa tagtatatac aaagtactgt tactggaaaa 240
 ttttttatca catctaatat taaagcgtac acggcatggt ggtgccagcg cgacgtagca 300
 cccgttggtt agttgtgaat gcgggcttag taaaaagaag ttgtggtgcc gttcgcccca 360
 ggttggttgg cgttgccagt ggtcttggtg tagcggtaag cgcgcgctca atgtgttatt 420
 gcacccgaag acgtggattt cgaacccgtg gcatcaacag tgctagatta tt 472

<210> 30315
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400046f04d1

<400> 30315

agtttccgtc atcactgtat gacgtcctcc ttctttgggg gggggggggg gggcagcaaa 60
 gtttcagacg ctagcttacg cgaccacaat tgggaataga atgtcaagat aggagataat 120
 ctaagatgga aaaagaaaaa aagaacctac ttgtgtatgt tgtgcatag agataaaggt 180
 atttggaggg gaaaagacgc gccgagcgac gtctcaatgt atgttaagcg ctgcggtggc 240
 gttaccaggg agtagcaacg cgtaaagcag cggcgcgctg gctaatacag aagcgaggcg 300
 tgacttttct ggtagcttgg tggatatggc aatagcatga aagccaaggt gcaggcaagc 360
 gtaaaattta gtaacccnc gttgggttagt aaantgcaga gcacaagtaa agcagtaaag 420
 gcgtaggtga caggcgctac tatagtgtg gtggggaaat gagtggtcac ggctaaaagg 480
 t 481

<210> 30316
 <211> 79
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046f05a1

<400> 30316

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaagg 79

<210> 30317
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046f12d1

<400> 30317

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 ccctatcacc ttgcacaagg gacaataaca tactactata ttaggagtgt ataacagggg 180
 aggcatatat atatactact actactacta ctaattccac gacacgggcc aaaattggat 240
 ggatactcat tcatgccatc catattcaga ttccaaacac aagcagtcac ttgataaagc 300
 agtcagattc agaattagaa ttttcttcat caggctcatat tctccaactg gatggcttta 360
 tgacagtcac ctactttcca ctccagtcgg gaactctggaa gctatggaaa tcaaactctac 420
 aaattatcag gtatctgaag ctgaattatt gagctgacac ttgatt 466

<210> 30318
 <211> 529
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046g02d1

<400> 30318

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 caatataacc tgtataaacc tgcaggaagg aatagccaaa atgataggcc cacgggatct 120
 aatgaaccg agatacgccg tattaatccg taatatggaa gaaataatat aaacgcacag 180

actcttaagc aggtgataat tatgattaaa aaggaaggta aatatgccta ctactacaga 240
 acgggggtacg aggtgacaat atataacacg agttagggat actagctgga gcgcacacaa 300
 cctaattgat cgaacaaagg tattccacta cgtcatattg cgtgttcaag taccacacat 360
 tgtagtaacg aaaagttacg tacaacaaga cgtacggcca acccgcgcat agataaatg 420
 agagtactta taacgtacaa gattagcaat agcatccacg tatcaccagt atcttaagg 480
 ataacactgg ccagttgtgt gttgcacgac tgaaagtgt gataaatg 529

<210> 30319
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046g11d1

<400> 30319

cagagcgaaa gtaatttata ctattcgatt tcgatttctt gggtgccaat tgccgtgctt 60
 tacaatatct aaacatttct cacaccctt agactacaga aaaaaataaa attacacaac 120
 tttactcatt gccttgcttc tttctattca gactcagagt ccatgtggcc cattgcttta 180
 aaccctctgg gtcttttttt ttctctacc tttatggata tcttcttctc cctaacttca 240
 tatggttcca gagtaagatc gcacaggcat gttctggac taacgagata gagggttcgc 300
 tgtatgaata tggctctctt tttgggcctc tgtggaagct ttgaaccctt caacagcaga 360
 aaatcttctt ccttctcctt gatggtaag gcaatcacga actttggggg gcacaccggc 420
 ggagccactg caccactgcc ggacggtgag ccaccaccc 459

<210> 30320
 <211> 497
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046g12d1

<400> 30320

ggcataattc acatgctaca ttccatcgaa gccgctccat taatgtaaaa tatagattac 60
 agcagaagca acatccggtg agttaccgac atattttcat acaactctta caactacaga 120
 acaaaactcg ctaaggcgta aatgacaagg aaaaaaatt gaatgattca aagtcactta 180

tagttacatc ccccaaaagt tctcaatagc agatcagaat aatcaatgta ccactatga 240
 aaatccaata agaataacac agggcaacag taaattcaat actacattca tcagtttagac 300
 cagacatgaa ctagcccaag cctgttgctt gtatagattt cattgcgctc ttcacatag 360
 aagagagcag taatgtcttc caaagcttct gcaactgtgc tcctcatctt ggagccatgt 420
 tttctcttct ttgaattaca acaatagcta cgagaagggt tgtcactgca actgcaattg 480
 ttatccactg gaaagct 497

<210> 30321
 <211> 393
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046h02a1

<400> 30321

cctcggggaa ttccaattcc acattttcaa gaaataagga ggcaaaaatg ttcatatatg 60
 aattggaatt atttgtttct ttattaggcc taccctgaag ccaaaggaaa tgagatcgga 120
 attcctcggg gaattccaat tccacatttt caagaaataa ggaggcaaaa atgttcatat 180
 atgaattgga attatttggt ttcttattag gcctatcctg aagccaaagg aaatgagatc 240
 ggaattcctc ggggaattcc aattccacat tttcaagaaa taaggaggca aaaatgttca 300
 tatatgaatt ggaattattt gttttcttat taggcctatc ctgaagccaa aggaaatgag 360
 atcggaattc ctcgggggta ccgagctcga att 393

<210> 30322
 <211> 465
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400046h12d1

<400> 30322

ggaaggaaac aaaatttaac tcatatattt tttctcctaa gacatattat cacttttaca 60
 taattaccat tactccaagt ccaggccatg agcttgaatt tattttcaca ctctatagtt 120
 agaaattttg gggaaaggaa ctaagccaag tttgtttaag ctgcaacttg gtccatgttt 180
 cagtttcttc aattctgcaa tgatcaaaac ttcacaaaaa cttctatata tatatattgg 240

gtcaatcatc atgcatggct acaccttgct atctgcttct gttacatggt cggacaattt 300
 ctctgacaga aggggttggt ccaaacttat cctactactt atatcatgat catcttgtaa 360
 gtttgatgat tgtgggtgccg cctctgggtt aatctcagca aactctttgg ctttacccca 420
 aagcacaata tataaaccag caataactcc aacaggacct accaa 465

<210> 30323
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047a01d1

<400> 30323

ccagaaaaaa aaagatagtt aaaaataaaa taaatactga agtaaaaaat gtaaattgta 60
 aaattatattt acccacaata catgaaaatt aaactcctga atatatacat tgcacaaact 120
 acacagatgt tcatttatgt taacaagata gaatataaat agacttgaag cagacaagat 180
 tcatggcttc cacaacttca ttgtgcagtc ttcactaaaa gttgcaacaa gattcctatg 240
 gggatgatga gtgacaccta taactttctt ctctgtggacc ttcattagat gctccaattt 300
 gccagataga tagctgaagc agtatatatt cctatcttca ccaacacagg aaatccattc 360
 tccttttaggt gaaacacatg ctgcaacaaa gtttccgcct tttcttttac cagatgagaa 420
 gctcttcaca acctgtcctt tgagtgtcat gatatatatg gatgac 466

<210> 30324
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047a03d1

<400> 30324

agacaaaacc tgggtggcaca ttgaattagt atctccatta cagttatggg cgttgcatcc 60
 aaaccaata gaaagctcag agtattacac atcccaaaaa gtaaaatcct actacagttt 120
 agcaccgaga tgtcctaaac cacattacat gaacacaaat tcgagttgtc ttggaagagg 180
 accaagaaat aaaagctaga taatgttcaa ccctgcatcc agaaatacca atccgcaaga 240
 ctcccgcttc ccaaaggcat taagccttat tggcaatggt gttggaaagc cagtccagac 300

cttcgtaaag gccctcccca gaggttgac aggtgctctg aatgtaccag tgacgctgtc 360
 tcagagagtg gagaccaac ttgtcagtaa tctcagcagc attcattgca ttaagaagat 420
 cttgtttgtt tgcaaacaca agcaatac 448

<210> 30325
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400047a05d1
 <400> 30325

ataaaacaat ctgatatcat ttccattatt cttttttttc tgacacaaat tcaatacatc 60
 tgaaaccact ataagatgtg ttagcgagga gctaactc atccacagat ttattaaacc 120
 actacaagat gtgttagtga ggagctaaca ctcattcata taaattaaac cactataaga 180
 tatgtgttag cgaggagcta acacacattc acaaatttat tctcactgat aggaaggcaa 240
 gaaaacctta taatttggca ctgatcttcc ttgttggca actaggcatt gaccaacatt 300
 tggtagtgcc attgtcctac aacttaatt ttacaagtct tcttcacacc aactttgtat 360
 tatecttttt tgttttctat gcccaatgca atgcactcta gaataaaata tatcactgac 420
 tggaacagaa gcctaagaat cccatgaact catgggtgtt tatcattnga atgctgttct 480
 caatgccac cacacccatg gtgagggcgc taagcaaat ga 522

<210> 30326
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400047a06d1
 <400> 30326

aagcaaaacc ctcaagccaa aactccttca atagcgtgat attagaaaat atacaaaatg 60
 gcatatgatc acaataacca ggtataggca tgagtataag caaaataaac gagaataaat 120
 cttgaagttc ctgcccccaa tacttttcaa agcaaagtga taggatacca tactgcaaaa 180
 gataactacc tcaacaactg gtctatagat ggggtttata tgaactaagt aaatctagta 240

<210> 30329
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047b04d1

<400> 30329

aaataataaa aactatcaaa ttctgatttt tattcatatc tcaaagccaa agaggtgaaa 60
 tctagtgtgc agtggcaagt acataaactg gtttaacatt attacaacgg ttttaagcttg 120
 caaattaaac atcattacat cgtttttctc aatttgcaaa ttccagatta aaaaaaagaa 180
 gtgggtgatg gtcagcttac aaagagtggg tctgggtcca cttttcgtct gatccaattt 240
 tctggtgccc atttgagcc aactgtatcc accacatgca agctgtaggc atgtcttgat 300
 ttttgagact ggttttcaaa gctttggtgt ataagatccc catggatgac aaccaatgac 360
 ccagctttta cttcaatagg aacaaaatcc ttttgatcat aagatgggta tggttgatcg 420
 aatttgacac catctttatc tcttaagaac cttctaacta gcccattttt atgagatcca 480
 ggaattgccc aaaggcaacc atttaatatg tttgca 516

<210> 30330
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047b07d1

<400> 30330

gagggtgaca aaatcattga ctttagattc tcaaggatga aatgaagaca ctttatcttt 60
 aaaatcacac gtgagatcct ctatacagaa aaaagaacag ccacttgctc aaaagttaca 120
 attaggcatg cctgggtata ttctgtattc ctaatcttgc gaacagatag catgcaaact 180
 ggataaaaga gcaaaacgga acacttggga aatatgatca ctcacatttt ccagcaaggg 240
 aatagtcccc cacagggaaa ataacaggct gaccaa 276

<210> 30331
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047c01d1

<400> 30331

aatatcaaaa tatgcaacta ctagattatt gaaatttaat atatacaaaa aagttattga 60
 aagtaataac tcaaacaaga attgctccta ttcccacct atacatatat ataagatgaa 120
 agcagtacca ccagagtgaag aacatcctac cattctttga caatgtaaca aaagtcttac 180
 aatctattcg aaaaatcata tcgccagctg ttttcgcttg tagtatccag ctatcacttt 240
 aaaacattct aattgataaa actataaaca gagaatattt cctttaattt cctgtatgct 300
 gcaacgcagg ggactgagta aaaaatggaa taaaccaga aaactcggaa aacgaaacaa 360
 tcaaaatata gccataagct cgggttgcta tcatatcaaa ctcatgactt tgtaaccttg 420
 cttctcaaac actacgcagt atatttgaac tcccacgttg atgtcttatt caatggga 478

<210> 30332

<211> 444

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047c03d1

<400> 30332

attgtagaaa atctcccata caaatccaat atactcacct cttacaatga gaataagaaa 60
 taataaaaac atgtgtattt ttatattatg aaagttaata catgttatga ttggaagacg 120
 acttttcacc aatggatcgt acaacactag tctaacagct aaaaaatccc tccagcttat 180
 ttcagatgca tgatttccca atttgaagca tggcaaagtt cttatagtca gacaaaactt 240
 cctcactttg tgtagaagaa catcttccca tgggtgacgg taaagtgggt gcttcaatcg 300
 cttttggtca aaagtgtgcc caatcaaacc attgcagggg gccagcccaa aaaagccttt 360
 aaaatagcca atcttcacat tttcttaatt ttttggttgg tggacaagtc acttgccacc 420
 aaaaagatcc aggaaaagag atgc 444

<210> 30333

<211> 468

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047c06d1

<400> 30333

gaaataaaaa gacgattata tatgatagca gtcagctaga atgataagaa ttgcacatat 60
 agcgaagctc gaaaacacaa gcagcatcca aattacaaca cataagcata aaagcgaatg 120
 caaaagaagg atttggataa aaagtaggcg taggagagag tgaaattgag gtgtaactct 180
 ggaatctagg cctggggctg ggactcgaag ggaatggaaa gctcatcggg ctgggggctcg 240
 ggctgttgg aggacctctt gggaacgggg agtgcgagaa aggccttggg cttgctgatg 300
 ggctgtgtct tctggagctg gacgatgtcg ccgacattga attggttatc gggatcgtgg 360
 gcctgggtact tcttcttctt cctcacgcgc ctctgtact ttgggtgagg ggccagccgc 420
 accaccttca ctggcaccgt cttgtcgttc gtggagcaca ccactttt 468

<210> 30334

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047c12d1

<400> 30334

atatatacct atcatatgta tgtatctatg actctaaaaa aaaggtaacc attaccttaa 60
 cctagaactt gcaagtgcgg aacacttgaa ccagtttaat ggcaagatgt tggccccgat 120
 actataaggg tgattgcttc aacacaaaaa ctccgatgc ttcaagttac gtacctcctt 180
 attgtgaaga tcagtaacta caaaggcat ttatgattat agctataggc ctttaacgcc 240
 tgaaattcta gcgcattggg agcttgttca gataggcca gatttgca 288

<210> 30335

<211> 528

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047d01d1

<400> 30335

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 aattcacaca gccaatcaaa ccaaaaaaaaa aaaaaaaact ctgaactac ataattgtct 120
 attgatgaca aagatatctg actaactaaa aaagataata aggtcatata cacgaattta 180

tagaaagccg attctcaaaa atgtgaacaa tcacctgctc ctattattct ttctctggag 240
 ccttgtaaaa aatgtcaatg ctgtatgaga agaaaaagtg aacatatgta aagaaagcag 300
 tgaccaacat tcaacaccat tttagttaga tagagtaatt tcatgcagtc cagctccggg 360
 aggcagaatt ctaaateccg gaagttgcag tgtaatcaaa tgaataaaat gccttgagtt 420
 aaactacttc caccaatgag ctcatcacc tatagctcat gcattccaccg tgggataaaa 480
 acctgacatg aatggccttc cacttcattg gaatctgcat tgcattgca 528

<210> 30336
 <211> 361
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047d02d1

<400> 30336

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 aattcacaca gccaatcaaa ccaaaaaaaaaa aaaaaaaact ctgcgactac ccaatcgttt 120
 attgatgaca aagatatctg gctaactaaa aaagataata aggccatata cactaattta 180
 tagagggccg attctcaaaa atgtgaacaa tcacctgctc ctattattct ttgtctggag 240
 ccttggtgaaa gatgtccatg ctgtatgaga agaaaaagtg aacatatgta aagaaagccg 300
 ttgccaacat tcaacaccat tttagttaga tagagcatat ttatgccttt cagcttcggg 360
 a 361

<210> 30337
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047d04d1

<400> 30337

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 ctgcgccgagg cgccagcacc ggtagagaga aaaaaaaaaa acaatggccc ggaacaaaca 120
 taagggggggg gaaggaccaa cacaaaaaaaaa gggggggggg gaaaaaaaaa aaaaaaaca 180
 ggcgggggcac aaccacaacc aaaacaaaga agctcgacgc aggggcctcc caggcatggc 240

ccacacccac

250

<210> 30338
<211> 464
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400047d06d1

<400> 30338

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tgtccacatg atatataaag gttgaaaggt agttgagttc tggcaacggt acgaatatgt 120
gaaataacat ataatacatt cagtggaaact tgagactggt caagatgttg ttgggcacgg 180
ggtcagccaa atgatctagg aggttttgggt atgggccaac acctgtgaca agagcttgaa 240
cagagtaacc caagattgcc agcatagcca accttgcatt cttcactttc ttgagcttca 300
aatcctataa ggactttctca tccttacgaa agcctagtgg gttgaagaaa ggctcctctg 360
tataagctgt ctcaccagat cctggaagac ctttttctag acctatgaag tattgattgc 420
ccatagagcc tgcccaggcc cacacttgga atcttgtgtg ctct 464

<210> 30339
<211> 584
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400047e01d1

<400> 30339

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taactgaatc aatgaggctg attttcttat ttcacctcgt atgaccagtt tgcaaaccgc 120
agtgtggaga attatatcaa ataatgagag aacagaagaa acttaaagtt ctttgcagaa 180
ctacaccatt caaagttgct gcaacttatg aatatgttcc aataatgaag tagccttccg 240
tttggccctc tctgtgccat ttcgagcaag ttcagagaga ggtatgagag caccaagtct 300
acttatacaa gcaagattat ctgcatccct cttgcacaag gcaagtagaa tagcagctgc 360
attctcttta ttgcgaggca atccggtcct caaaagatct atcaaaactg gtatagtgtc 420
ggcttttact atggcaactt ttgcctcttg gtggcttgca agaactgaca ttatcgttag 480

002250"ETTES60

ggcttcatca accatcgatt tgcttgaatc tgtaagcatc tttcacaatg ctgtgatgat 540
 acctgcccta atggccctgc ccttggtccc ttgataaatg cata 584

<210> 30340
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047e02d1

<400> 30340

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 actcatctta gtatgcaaca attttgatct ctaaggaaact tattttgttt tgtaaattat 120
 tcttccaaga atcctatata taattttaca attgagtttc acccctctgt agtatctata 180
 tatcccccaa ataataaaga aattctaaaa aactagctg aatatataac caagggatga 240
 agaaaaggat caatttgat ggggccttca ccttcatttg gtgagagctg catataggag 300
 ctggttccaa gtgtccggtat atcctggtag gcaccagtgg ctgcagtcac tgcttgcacg 360
 gtccccacta taagcagaag ggtgagcatc cttccttaat tgtgagagga gtgttatatc 420
 aagtagataa actggagtac tcattcttct taacacattg ttcaatatgg tagttgctgg 480
 aggtagacct gctggatatg ttgatccaga caatggttga agctc 525

<210> 30341
 <211> 429
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047e04d1

<400> 30341

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 aaatcgttct ccaaggcttc ttctcttctc ttggcctctt cagttttttt ccggtactgt 120
 tcttccacaa attccttctc ggctaataca gcttccagag ctgcctctcg ttgtttccta 180
 gcctgtagtt ctatctttaa atcatcagca tcaagactcc ttgactcaaa atcatctaca 240
 ccagttcctg aaatttcatt agcacggcta gaaatcctcc ccttccttcc agctcttgga 300
 tcattgtact tgcggttgac accattaacc gtttgcacaa cagcactacg agagttgacc 360

aagtctcgcg cggccatcaa ttctttttcc aactttgcat tctgcaatga aagttttgtc 420
actttcccc 429

<210>	30342
<211>	158
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmst02400047e06d1

<400> 30342

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gacagcacaa tcttgctagg ctaacataca gtatatatac taagtccaaa acaagacaac     120
acatatatga agacacatgg gtgtctaaag agtgcctc                               158

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<210>	30343
<211>	517
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmst02400047f02d1

<400> 30343

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actaactatc	cacaaggaat	taaacatcaa	gccatgaaaa	acaagaaaga	aattttgtgat	180
aaacagtgat	ttcatacctc	caccaccact	catgatcctc	agcagcaagc	tggaagtatg	240
tcaatgccac	agtgatgaaa	gcagtaacaa	tcaagagaat	gatgaagaca	atgaacagga	300
tgctgtagat	ggtgtaaatt	ctgtggcccc	aaacactggc	aaatatatag	taaagttcaa	360
tgtatatagc	actgaaaggc	aaaaatcctg	ccatcgccat	ctgaggaatt	gttcacgat	420
accaaggcag	aggtggaatc	tcccttggtg	atttagttgt	ccgaacagga	gcttgaaatt	480
cagccttgct	attcttccca	gcaatccctc	ccaatac			517

<210>	30344
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<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmst02400047f03d1

<400> 30344

ggtattgaag gagatgcttt tgatgattaa actgagcaat gaagatgaga ccgctcaatc 60
 tttcactaat aactgcaaga gtaaattaaa actctcgcaa aacattgata tcgttacaac 120
 cactgatcca agtgaccctt attttagaat acagttacac gcacaagtgc acaacacaag 180
 accataggta aaaacataaa tggcatgaac aatgagtcaa agcaatggca gaacaataat 240
 attaacgcca ccaccacttg taacagtgc ctcagttcct ctgcagtagc agagaaatta 300
 gacatagccc ctgctcttca aactctccac tgcaccccttg atgatttgct caacaggagt 360
 gaattctaga cctaaatcaa tcagcttctt tgatgcatcc tttccacttg ctctcaacaa 420
 ccttggttgg gtatcctttg gcaacttagc cacatcgat tcagggtata actcagcaac 480
 cttgtccaca agatcactaa a 501

<210> 30345

<211> 401

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047f04d1

<400> 30345

caatattagt tgggctactt ttataatatt tatgcaagaa aagttaatga cacaagtttt 60
 acatatcaaa ttaataaaaa ataagattca aaagtgtgac ccataaccga caaatcaatg 120
 tttggaaatg accataaaaag acataaaact aaattgattt ttttaaaaga taaaaaataa 180
 acaaaatata aacacaaaag actaaaagtg catttttgtc attataaaac aatactgtac 240
 atagtatata ggatataatt gccttcgaac tcgagaaaaa gttcaatagg ggaaaaatgt 300
 acatttgaaa cactgtattg gtggctatag tattttgtcca ctttgaaaaa tccatgacct 360
 tgaaagtatg gaaacatctt aacatgtgtg gtctttttct t 401

<210> 30346

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047f05d1

<400> 30346

gatcatcaac aaagacacat gtattccaat caatcaatta caatacaaaa gataaaagta 60
 aaaccgtgtc tgtggcgcga aagtaaaaaa aaaaaataa taatggaaaa actgtctgca 120
 aagccagtgt caagtgtcac ccttgagcaa cgacagacca catgtatata acaccctttt 180
 tttccttttt cttcattttg gggtaacact tccatcaatt ccactatcct ctacaccctt 240
 ttttcttata ctctttgagc agtgacgtgc aaaaccaa atgggaaacg aacaaagaat 300
 gaatagcaca agatgagtag aacctagtaa acttcaccag ccatattgct agaggggatt 360
 ctttgctgtt tctccacata tgcagaagga aaccatcctg ctttgccatt gcattcgcct 420
 tctgaccata ctgattggct cacctttcgc acaacaaca aatcaccctt agaaaagctc 480
 agttccttt 489

<210> 30347

<211> 406

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047f06d1

<400> 30347

aatatcgcaa tgcgtgaaca atgttattta acaaaaggat cgaccacaaa taaaaacaac 60
 ccaactccaa tcatcatcac cacgtccagc aaaatacatt caaaagctat ctaaaaattt 120
 gaggaacca cagtggcgcga ttagaaacca tgaccataga atttatgaga gaaatattat 180
 gggcaccgtg cctctccaac aatccccaaa acgttgctta ggcttcagca aaccaagct 240
 cagaaagctt ttggtgagcc tcagcgtaat cagcgaagaa ggcattctcg tccgatgcat 300
 attctcaaca agagggcgga acacagggtc agacaaaagt gccttgctcag aaggtagctg 360
 aaggaggcct tttttctcac cactcaaca ctccttgaag tatgag 406

<210> 30348

<211> 520

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047g02d1

<400> 30348

gtatgtcact ctagaacatc attatttctc aattttatata gctctttaac cataattccc 60
 tggatacaac atgtatacta gtgtatacac catattcaaa gatagctaataa aaataacttga 120
 ctgtataatt aatatcacac aaacgtaaag tggcaatata tagtgtaaata atatataagc 180
 ttaattttata cacagaaacc atgagtataa agcatcttta taaaaaatat tcaacaagaa 240
 tttactttat taccacatca ttatagtaaa atgtcatgat aaagtgggtga aattctattg 300
 aatgcttggtg tcaagatggt tttataggat caaagtgtgt atataaatta aactatattt 360
 tttaatcaat atatatatat tgttcacaca ttttatatat atatataaga ggtgcttaac 420
 aagttggata ggcaatacca caagaactaa cggttttttt ggcattagga gagttaacat 480
 actgcttcaa gctagggttt tgggtagcca cagaagcatg 520

<210> 30349
 <211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047g03d1

<400> 30349

acagaaatgt ttggcattct ttattacatg gccctcataa ttgtctaaac tgatttttaa 60
 cttgtaaatc acagtaagtc ggtgcatata gagcaaataa aagtgtttat aaccgtataa 120
 cgattatata atattacaaa atgatttgat aagccactca taccagaaat gagattcata 180
 taattctgct catgtaagtt atcaactcatt tcaaatccag atgaatagca cttagcacgt 240
 ccatgaactg aaaagggaaac attttgtcca agctattatg agagtgccca atattacagg 300
 tgatatttca tttaaattat ttctgtaacg tgtggaagtt tataaacctg gaggatgcac 360
 tagctataat ttcatctgcc cagaaagtcc tttaaatgaa ccataaagag cctgtgatct 420
 tctaaaagta aagatattgt ctatttttagc caagtgtggt tctgaggctt ccgtttgtat 480
 tcagatgaat gacggttccc atgtactcgt acacttaaag ttt 523

<210> 30350
 <211> 421
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400047g04d1

<400> 30350

ataacatgaa ctgttcattt acaaaattaa cttcacatgg aaaaccagat acagcataat 60
 tcaagtcaat atacaattat acatccacca acataatata agcgtgtttg gattaacagt 120
 gagtaccxaa aaatcacgca aaatacatga aaatctgaaa gcaacaatga gttgttatgc 180
 tttcaatggg aaaaagaaat aatcaatcca accttattgt gctagtattc cagacacaca 240
 ctacaacaac tacaagaatt attagtatcg gtagagcttg gattctaggc gtaagtcagg 300
 tttccaccat tggatgaatcc catgagcttc tttgaaatcc tttgaaggag tatgattaac 360
 tggcagagaa gctgaaggaa tgaggtgcag gggttcatca gattccttcc ccaacacacc 420
 c 421

<210> 30351

<211> 529

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047g05d1

<400> 30351

accaaacaac aacattacca atatttatgt acggatatat aatcatacat cttacaacaa 60
 tcacctcctt agaattttcta aagagagcat cttaagaact ggagtctatg gccatatttt 120
 agaacttcca taaatatatg agccaaatcc caaaagggtg atcactaggg agaggatctt 180
 gaaaccactc atagggtcct ttagcagtat aacagctgca atgcttggtg tgggtgttct 240
 tactgcatta agcacacctg ctagcacagt agagcccaag aaaattacag cagtgccttc 300
 cagaaccccc agctgaaaag tgattgcacc ccaaatgata acaagataat aagcatttct 360
 accacctttg aaagtggtag cctcatgtgc catcccttgg aaatcaccac tcataatcat 420
 ccctacagtg gtaaacagaa atgcaaacag agaaaccatg acttgctgct ccagaacaac 480
 gatgaaggat cttcttttca gcaacttcac atagacaaag ctcgagaga 529

<210> 30352

<211> 372

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047h02d1

<400> 30352

aaaaccaacc aaccttttttg ggggggattt tggaaccaac caaatTTTaa tttcccaaaa 60
 aattttccgg aaaaaaattt tttttttggg gaaacttttg ggaaaccctt atcacagggg 120
 gggagttttg gggggtgcc aaaaataaaaa aaaaattttg gatttcccgg gttttcccca 180
 ccccggggga aaatttgGCC tggaccaag gggggggggg gggaaacaaa ttttttttac 240
 ccaagagggt cagcgggggg gtaaaaaaga aactggata tggggggggg ggggataaag 300
 ggggattgga tgcctttccc cagatttttt gaaaaccaac tggttgaaaa aagcccattg 360
 gaattccctt tt 372

<210> 30353

<211> 534

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047h03d1

<400> 30353

ataacatgaa ctgttcattt acaaaattaa cttcacatgg aaaaccagat acagcataat 60
 tcaagtcaat atacaattat acatccacca acataatatt agcgtgtttg gattaacagt 120
 gagtacccaa aaatcacgca aaatacatga aaatctgaaa gcaacaatga gttgttatgc 180
 tttcaatggg aaaaagaaat aatcaatcca accttattgt gctagtattc cagacacaca 240
 ctacaacaac tacaagaatt attagtatcg gtagagcttg gattctaggc gtaagtcagg 300
 tttccaccat tggatgaatcc catgagcttc tttgaaatcc tttgaaggag tatgattaac 360
 tgtcagagaa gctgaaggaa tgaggtgcag gggttcatca gattccttcc ccaacacacc 420
 catcagtaga caattaaggg aagtttgagt ggctaacttt tcaatgtttc ctgcaccaat 480
 ctectacatt tttcttctgt gctcaaagta tccaacatac tcagagcaga tatg 534

<210> 30354

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400047h04d1

<400> 30354

gaaagaacta attaatgaat atacaatgta taaatttttaa attgaataat aatacaaaata 60
aacaattttct cttgagaaaa tctcggatgg tggcgcttta tttttttttc gattattata 120
attatatttc cagcaccgaa aaaggaactg caattattat tcaagttggt tgttgcaaca 180
ttgattgctg ttgcgcaaaa gactcggtccg aaacaacaat agcgtccgca tcccaccaag 240
tatccgcgtc agattccggt acgctctcta acggcgtgct gacctttctc atatccccga 300
ccgtcacgcc gtaacgcccc tcattctctga cgtagacctt ctggacgcca ccagattcca 360
cgcgaggggt ctttccccag gtgggacccc actccgccac caccgtgggc ttccgcccgc 420
gcagccgcgt gtcccagatc tccagcgcca gattcccga cgcgcttcc cccgccgaga 480
caaccaccga ggg 493

<210> 30355
<211> 537
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400047h07d1
<400> 30355

ccaaattaat tatttcatct gaattcattt gtaaaagcta aacttgctcc agaaactaca 60
agaggacaac cattttgtgc attaaaatca cattatatta aatcaaatta gatcagatct 120
acaacccaaa atattataaa aatgacaata aattaagaac aaatccaaga aactaaatca 180
agggaaatat tttagcctgg gggcaagcac tatcaattaa tctgtgtatg tgctattgag 240
agctttatgt tgacaaatct gccacattga ttgcgtgctt atggttttgg gattcaacgt 300
cgatggttaa gccattttca aggtgatgct gctcctttac cagtgaagca tactccactt 360
tttcaatacc atatcttgtg acatgaacca agtagaaaga catcacgaaa atgggtgacta 420
aatcaatag ccagctgaat agaatgtcac caaggattag cacgatgaag ggcattatat 480
cattgatgtg acatatattc acgaagtgat gaccaacttt ggctgaaccc tgagtca 537

<210> 30356
<211> 486
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400048f01a1

<400> 30356

gtctcggaat tcggctcgag cacaacacac tctgtgaaaa agggggagtt tcttattcct 60
 tctagacgct gccattgatc ggcgatttct gatacatggc ggagcatcac gaacacgagg 120
 aagtgaaggg tgagtccttg ttggagatga tctctgggaa gatccacgac cacgattgct 180
 cagtgtcggt ggattccgac tgcgacaaaa ccagcgccac tgattttcttc aagtctaattg 240
 ttctcaggct ttccggcaga gaaaagccca ttcacatgt tcttgccgga ggaaaaccgg 300
 ctgatgtctt tctatggaga taccagagga tgtccgcatt gacgctggga gtggcgaccg 360
 ttatatgggg tctgtttgaa tcgcttgagt accacctact gactttgagt tgccacttcc 420
 tgatccttgc tctggcggag ttgagcttgt ggtccaatgc atacactgtc atcaacaaga 480
 gtccac 486

<210> 30357

<211> 336

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049a02d1

<400> 30357

cattggctgg ttaacttatg aaaagccatt tctgaaaaac aaatcccca cccagtcaaa 60
 ataaacgaaa aattgaatgg gggggttttt ccaatgtgag cccgcccccc taaagttttt 120
 gaccaattgt ttacacacaa tatcaaaatc tcatctcatc taataattat aaaccaaggg 180
 ggaatgggag ttccggaatc acataagcaa accccagttt ccttactttt ttgggagcca 240
 cctttttaag ggggggcctc acttttggag atgggactgg ccctgttcac cacttggggg 300
 ttgaaacaat gagaagccag cctttgaatg gggctt 336

<210> 30358

<211> 516

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049a03d1

<400> 30358

acaaggcata tgtacaactt ttacattcag tgttggcccc gttggcattt atgtataatt 60

acaaatttac aattctcaag tgatatgttt gtcccaacaa cagcatgata gaacagggtta 120
atattgagat agaaggggta aaactagcga ccattagcca agttaacacc ttctctggaa 180
aagatgtag ccaactgaaga tgtccatgta gggctagcat tctggttatc tgtataatga 240
ctttcactat ccattgcatt agcattcatg ttctcccaa gtttctttcc aattgacatt 300
cctagtttca cagcagtaag aaagccaaat gcaatcagaa caggctaac tgcccagtgg 360
tgatcctcta catgttgata ctgctctatc attttcggac aatttttaaa gttaacgaca 420
tcaacctcgg agggatcagc caagacagtt cttggtgcat ccaaaagttc aacatgcctg 480
gaaacttgac aactagacat tcatttggtg ggatcc 516

<210> 30359
<211> 497
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400049a04d1
<400> 30359

aatactctct attcaattac tactatctta ggggggatgt actagaaaaa caagtaaattg 60
gtcttagtgt catatttaca caatcttagc tttcaagcta tcttaaactc accaaactag 120
gcgtaaaatg tgttacaatt ctatcgagcc attgggagtg gatgtatcac tttccaattt 180
gcaaccggag tgtaaagctg ataaccatga atccacctgt atctgggaac tgcttgaaca 240
ttcatatcgt aaaccatgac gagttaaaat ataaaaggcg tatcgtgtct catcatcttg 300
ttcacgctta aaacttgga gtttgtctac ttcaacaata tcagatagaa gcggcgagtc 360
acgaggactt agatctgttc acaacaaatt taagaataga catgccccct gaagaacaac 420
aaatcgagga agccaatcat cctacttagt atcatcctat aggaggaagt tctcctggaa 480
gtgctgccca tctttttt 497

<210> 30360
<211> 472
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400049a10d1
<400> 30360

acattgcata attcaaaca aagaaggggt agtccatata tacagcagca aaagcaaaca 60
 taagaaaaca aaaaaggaag ccttcatatt catatatgat atatatgata atcatcaaca 120
 cgacggaacg acgccgtatc cagccagagg gtccgcatca gtgcgttttcg cgaaccttcc 180
 tttgattctt ggccctcggtt cggcatacgc ttttctcgat gcgtaacgaa ggggcttctc 240
 gaacttttcg gtcttctctt tctccctgta cctcaacact ctagccttcc tatccgcgcg 300
 cgagaactgc gccgtcacccg tcaccggggc cactttgctg tagctgcaag tcgatatctc 360
 cgacatcgtg ttcccgtccg gcacaactcc aactttcatt gacgacggag aagatacctc 420
 gaaaaataaa aaataaatta aatccaacaa gcaaatttag ggtaagccga tt 472

<210> 30361
 <211> 563
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049a12d1

<400> 30361

aaaaacacat ttcaaacatt aaaaaaaaaa cacctttaga cacgttttct ttaacctgac 60
 accattaatc gaactgctat aaaagaactt atgtacgtta ttcgtcggaa accattttcc 120
 cgggtcaagtc atgcgtcaac atataaataa cttttttttg tgacgggaat acataaagaa 180
 cttgatagat gacaaattgt agatatttgc gaattgcac attgcaatat atacacaatt 240
 gaagggccat gattgggact agagagcgag tttgaggctg agagcaagat cctgttgatc 300
 cttctttctta ccctttgtgg cggctttgat actaggggca catgatgcaa ctggatttgc 360
 aaaagtcaaa ggaggctttc tgaaatgaat ctcggggggtg aagtcttgaa attaaaaaga 420
 aacttgggat ttattgtcct tggttggtgc ggccggggggc ttaatttttt tcacctgggg 480
 ggggctcttg gggttttttt tttcaacatc ctttgccgcc gatacgcgcg gtctgggagc 540
 tctttacagg ggggaaaacc ttt 563

<210> 30362
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049b03d1

<400> 30362

aaacttaatt ttttttcaag gtatacttgc taatgagcgt ggttggaaac acgtcttggg 60
 tccacgttca agcagcaaaa ccacgtcaaa atgatgcaga agttacattt acttgcttct 120
 atatggacgg aacatgaatc taattcagac acgcacttag tctacatata aaacaaatca 180
 tcaaactgca tgcacccaat tgtaagacaa gttctggcta ctagtttgag gaaacaaaat 240
 aaaaatagac aaatcattca cttccacctg caggaccac aagaaccccc tgagcagacc 300
 cttccttctt accagattca tctttcacct cagcatcagc cttccttctt ctgattttat 360
 atttagcctc aaactcagaa atttcctttt tcttcttttc caacgcctcg ttaagccttg 420
 ccacaacctc ttcgagtcct tctttatttc gctgcacagc aggcaagacc tctttgatgg 480
 ttctctccac aagcaccctt ccaatcatac gatagcatcg tctagattgg tcaagtgggt 540
 gaat 544

<210> 30363

<211> 511

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049b04d1

<400> 30363

ctcatgtagc attattgata aatattatta acgtaccttg tagccaagat tcgttacttt 60
 agattttggg atttgatat agacacaaac ataaaaagaa taaaaataat gtttctttat 120
 ctacatctcc atacctgtat tctctaaaag tccaaagaca aagacttgga aacaaataaa 180
 ttataccctt ttgctgccaa cacagaaata gccaatataa agtgaatttt attggtaaga 240
 caaagtaaca agttccacaa attgcactgg agttacctcc agatcatctt gcatcagcag 300
 aggtaaaaga gtctgcaaaa ccagtaggcc tagctggtat gcttccttca ctgtgtgcac 360
 ttgtatagct tgattctttg ccttctgatt ccttccaatc tttcagcaac tgaggaagtg 420
 gttgactgaa gtcaatgccg gagccataat caaattcttc atcaacaggt cgccatttct 480
 ccactaatgc ggatagcaca ctgactgcat g 511

<210> 30364

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049b06d1

<400> 30364

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gggcatgatt agaaattaat ttaaaacaaa aaataaaaag aaaaagctgg ctgaggaatc   60
ggcgagtcga ctgagtgagc agcaaccacc gattttgtag cgagttgcc aacggaggtg  120
gcaatcaagg gcctagtgtg ccacccaac atgagacacc cattgttctc ttccactcta  180
taccatccc ccccccgaa aagcgatagc aacatgctgg cctgcttgta cgcgttcgaa  240
cccaagtga cggagaaaa cccggtcgaa ccgaaccggt tccgccactg gttcagcgtc  300
tcgtgccttt ccacgcggtc cattccctcg cagccacca cgttgcagat ttgcttcct  360
aagtaaact cgcacatggc cttgtcgttc gggttcacag gcgaaccctc cagcgagtcg  420
aatagagttg aataatagtg cagtgactcg gtgaaccggt cgacaaaact cagtccg    477

```

<210> 30365

<211> 518

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049b09d1

<400> 30365

```

aagcacaaaa gatttgata ttttgatatt attttattac atacatgcat agatagcctg   60
ctctcaaata agtcggcagg aacaaagata gagagattca acgatcttca aatttcacat  120
ttgccagaaa tatataacag aaaagagggg tatgggatat gagttaagtt ttgatcacat  180
tcaactacac tatcccaaac cgttactctt aagactttga acttcacttg tactctagga  240
tcatgttggt ctgaggagct aatccaacac aagccctcag gatgttttcc agcatagctc  300
gctgctttga caacgcattc accactggtg taccgggtgg aaccagaggg gccttggtca  360
ggtaactaag gatggtcgca actgggtgga atgagtggaa ttttccctca ttttcagctt  420
taaactcgat tcgagtgctg agctcagcaa gaaggaccaa gtccaagata ataggagcag  480
ctaacagtga attctcacat gtgttggtga acacaatt    518

```

<210> 30366

<211> 543

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049c02d1

<400> 30366

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agttgtcatt aatattaaac aataattttg gcatcataaa ttcttccgga ataattatac   60
aaaagtgacc agggaaaacc cgatctgccca gttgccact gaataaaaac acacatcata   120
ttactatgtg ttgtcataca tgcattgtaa tgagtggata ttccaaagca attggtcctt   180
ttatccctcc ttaatcctta tgccgtaa at ggccacatcc cttgtaaatt gtaattgctt   240
cttcagaaat agaattatac aaaggtagtt gcaatatcta ttgccaaac tataaatgta   300
aagacccttc ttcccaatcc tagtagtgtc ccaattgtat ttacaaagggt gggacaagat   360
atgtatatac aagtacaacc atgtaacata atgtaacaat aatcatactt tggtctttac   420
tagtgacat tacagggagt tattatgcac tgaaaccct ttgcagagaa ctccagggat   480
tggaaggaat actgacacaa gcttgtgctg aagcctcagc catttgttca ttctttatcc   540
cta                                                                    543

```

<210> 30367

<211> 501

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400049c03d1

<400> 30367

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aagcacttaa gtttgtggat aacttgatat tattttatta catacatgca tagatagcct   60
gctctcaaat aagtcggcag gaacaaagat agagagattc aacgatcttc aaatttcaca   120
tttgccagaa atatataaca gaaaagaggg gtatgggata tgagttaagt tttgatcaca   180
ttcaactaca ctatcccaaa ccgttactct taagactttg aacttcactt gtactctagg   240
atcatgttgt tctcaggagc taatccaaca caagccctca ggatgttttc cagcatagct   300
cgctgctttg acaacgcatt caccactggg gtacccgggtg gaaccagagg ggccttggtc   360
aggtaactaa ggatggtcgc aactgggtgg aatgagtgga attttcctc attttcagct   420
ttaaactcga ttcgagtgtg gagctcagca ngaaggacca agtccaagat aataggagca   480
gctaacagtg aatcctcaca t                                                                    501

```

<210> 30368
 <211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049c05d1

<400> 30368

catcacaatc atccttgaca atatTTTTTT taatgatgca acggattcac aatgttccat 60
 ttagccttga agagaacgag aaaaaaaaaa taaagataaa aaagaatcca atagtgtaca 120
 gggaaaggga acaacaccca ctactaattt ctttggagat tttaatgccc ccctgactga 180
 ctagagtagt aaagttgcaa ttcaattcaa cacgccataa ttgcaccccg ttgaaaactt 240
 gtaacgttga ttaaatgatg gcttgcgttt ctaaaccttg tcacggaaaa aagatgattt 300
 tggctacgaa tttcaagacg attctagaat gagaatagta gcatcgggag cagagacagt 360
 gtgattgtgc tctccctcgt ttgttaccac ca 392

<210> 30369
 <211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049c07d1

<400> 30369

attcttaatc aattttatat atgtatcaac ctaaccaa aattacatca ctctgtcgtt 60
 gacccttcct aaaactatgc acagaagtac aactgtgttt taagaaaaac gtgttgaagg 120
 caagtaaata tacaactcag acatcaacat gcacctgtta agtgctaacc ttttctttga 180
 acacctgtc acagaaatct gagcactatt ggtatctgaa gggtgagaga ttacgcctga 240
 aggctttaga actgaatgca gagaaggaaa accacaacaa ctgctatcga aaaagatcag 300
 ggaatgacca cattatgaac cttgcaaaaa tgtcagaatc cagaaattca atatgtgcag 360
 cccgacctat tatagagtcc agattcttgc cttgggtaga tgcacaaag ttgacatcac 420
 agcgcagtaa gactcgatgt tgcacggagt tggcacggat tttggccaa acaagcattc 480
 aacatttcta ggaacagttt accctTTTTT gaagtgtcac gtg 523

<210> 30370
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049c10d1

<400> 30370

aaacacaatt tttagattct tatagaattg cacattgatt aacaatataa actcttggtta 60
 taactaacga tagcaaaaca ctttctaaca aattagtatt aacttaaaca agtcttggtt 120
 tcaacttaac atggctaaat atagtgccca caccagcaca acaaatcact atatgatttg 180
 catattacgc tatcatcggg cacttccgcc aacataagtc gatcgaatta ctatgtaaata 240
 ttcgtttcta taagttaacg caaagtctct gttatttatt atttggtgag gtaatcggaa 300
 gctgcattgt ttctgtttct tttgttggtg ctggtgatga catgtcttct ttatagtctt 360
 tgccttttcc ccacaccaca gagtatagac cactgcgat aatgatgcct ccaatgatgc 420
 ttcccaggta gaggtgttct cctagaagga gggaacccaa agcagtaaca attatcatgc 480
 aaagaggatt gaaggatggt acaaactctg gacctctgct ttggattacc aacccttgta 540
 tataatatgc taattcagaa ct 562

<210> 30371
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049c11d1

<400> 30371

ataaaactac tagaaagaaa aaactcttga acaatgttca ttaccatgat gaaaaaacag 60
 tacaactatt gggaacaagc tcgacaaaac agaatgagga aaataatttt agcactctag 120
 aaaactagct catggggctt cactcctgcc ttcaaggaaa acctagcacc caagtaagac 180
 ttgagctctg gaacactctc aatggccttt aacaaagcag tgtccacggg tttttggtca 240
 tctttctttt cttggggaag cacatttttc tctccttct ctgcctcaaa gaattgcct 300
 tcgcccttg ttttctttt cttagcttcc ttggcaaagt acttgatc aaatttatca 360
 acattgacat cagagatatc cacctttgtg gatgtaccaa taacatacga ttgggtcacc 420
 cttctcagag ggacccatt gat 443

<210> 30372
 <211> 409
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049d01d1

<400> 30372

gggggagaaa gatccaaccc ctctttgcag ggggggttgg aacaattttt cattcttttt 60
 ttaaggggtt gacccaagaa attcccgggt ggggggaaaa ccagacttcc gggggaggaa 120
 ccttccaagg ggatttttta aaaaaacttc tttccaatgg gcaacttaac ccacttttta 180
 tgggaaaggt cccacaggcc ttttttttgt tttcaacata aaccctccaa gggatgcttt 240
 caagttcacc ccacttagca atgccaatg ccaaaaaaaa taatctatgg gaccgaagtt 300
 caaattatca ggggtccacc caggacgcc attcctaggg gggatctttg gcccaattgg 360
 cacaaaaaga aagctcaagt cctttcccaa aaccacggtg gtgtgtgaa 409

<210> 30373
 <211> 569
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049d02d1

<400> 30373

gtctctctct ttaagtaggg aagcagatct tatcagtaca cataggtagg ttgaaattct 60
 agctctagca atctagctag agaaggtagt acttgacaaa cacacagcac atgataattt 120
 attttataca caatctcatt ctcatggtgc tcaagatgca tggactaatt aagcaacaat 180
 gttggtctga taggcagtgt ccacagataa attgggtacc cataaaatgg ccttgcttcc 240
 aaggaaatgg caaacagggt tagttccagg atcaactccc ataagttgat gaagcatttg 300
 atgattcatt ccagaagtat ttgagtggca aatagcaagt gcctgagttt tggttccatc 360
 accagccacc aatggaacca tgaaagctgt tgtttcacgg acttcatggc agtaaaatac 420
 tgcagttctg aaatttagcc tatgacacat cactgctttg tctccaagat tctgcactcc 480
 ttccacagtg tattggtctt gcttattgac aaaggaactt gaaagtactt gaatgttctt 540
 tcccagcttt tgaaaggcaa aaccattac 569

<210> 30374
 <211> 393
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049d03d1

<400> 30374

ggggcagaaa cccataatTT agtttttaat aaagcaaaag caaaatgccc acccattccc 60
 caaacaaaac atgcttattc aacccaaatt ggtttcatat cacagaaacc aacagggtgt 120
 ttttcttctt acccgtccca cccacttgaa cagaaatTTT tcggaaatta aaaataaaaa 180
 agctaaactt tttttacctc aaatttgaaa aggctaaCAA caaaaattca aaaaaaggga 240
 aattaaacaa tcaatccggt tcataaaacc gatttttggt ttccctcact ttccgggggt 300
 aatctcaatt acttagtacc tggaaagagc aggcttgTTT ggaccctcaa caggccact 360
 gatgtaatca gcctgggccc ggctaagctt ggg 393

<210> 30375
 <211> 423
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049d04d1

<400> 30375

aaaaaaaggg gacccctca cctttccggg ggaaaagggg agctaaccct tttttttcca 60
 caaatTTTct tttttaaga gagggccccc caaggggggg gcccttaact tattatcccc 120
 cccgcggggT ttttttcccc ctaacttaat tttttgcct aaggggggaa aattaaatgc 180
 ccccttttc tggaacccca ttaaaccggc cttaaaccga gaaagaagg aggggcccct 240
 ggcttcccgC cttggggcct tttttgggtc cctaattttc gcaaaaaaa aaaaggaaaa 300
 ttgggggggtt aattggttac ccccgccccc taaaaaggg ggggggtccc ccccttaaaa 360
 aagggggccc ctatttgcc ctggttgga taacaacgaa cccctcttg gggggaccgg 420
 ggg 423

<210> 30376
 <211> 514

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400049d07d1
 <400> 30376

gcaatggaag gtttgttata ttgtcacata ccatgagatc attgttgaaa tacaatggat 60
 gaccaatcta aggtgagaaa agaaagggga aaaaaagagc ctatatgaaa ttacttgtat 120
 gataagatag aaagaaagca cggcaaaaaa aaaacagagc agaaagcatc caagctttca 180
 gctattagca ttttctctat ttgaaccttg gttgttagtg tctgcaagag aaggccctga 240
 ccctaaaagc aaagggatct ctttcttttc attgtttgag tctttcttgg aagatggatt 300
 cgcagtcgaa gatctaagag gaggtctaaa aaatttgcta gcaacatctg gaggggggtgc 360
 atcttcacct ggaagcacia gaagaccttt ctctctaaga gaagatggct cgttgaagca 420
 agtgctccac agggagtcca caagttgcct ttccttcttg actacaccaa gggctctcag 480
 ctgacattaa actgatattg tttattcggt cttg 514

<210> 30377
 <211> 599
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400049d08d1
 <400> 30377

ggatagccgt tttaagtatt taagtttatt caaaagaaaa taggagtata gaataacaat 60
 tgaatatata attaatactaa attctaata cagcgtagct cagcgaaagg attattagaa 120
 tattctattc ttcgtttttt cctgagcatc gagaaacgta ttacttccaa taccgtgttt 180
 ctaaacagaa ggaatatgta cactaaagac aaaaagactt aaaaaacgga attacaggga 240
 atagaaagaa agaaggaaag gtaacaaaaa aaacaaaaga agcagcggtta aaaacttgta 300
 aatgttgggg ggggaaacgg gatcaaacc aaccctgttt gtaacgggtc aagaggtttt 360
 ctgtttgggc attcctgaag gcactacaag ctatgacata gaccatattg aggaccacca 420
 ctgccacaat gagaatgata ttgttttcc tccattcttt tctgagggtta cccaatagac 480
 cagccttgca cgcattacaa ttgtagcata gctgattctg gtcattgttc ccaagtagca 540
 attctgatca gccatagggt tcacaggggt tgcccttagt atgggggtta cataattgt 599

<210> 30378
 <211> 616
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049d09d1

<400> 30378

gattctactc ttcattaatt gtagacattt actataaatg tgagcccoctg ctttggttaa 60
 aggggattgg ttacatgaaa ctatggtgct taattgaaga taagccatgc attgcataca 120
 ccgaattaca tcacacaggt acaaagttac aacgtcattc actcattcaa ggcttaattc 180
 tccactgtgt tggagtotta tatgtgggca ggggtgttca gggtctocac ttgtccacaa 240
 aacctcaaa tctcctcgct ttcgccccaa tgtcatcagg gtcccaaggg taaatggaac 300
 gatgtatagt agtgccgggt ggccatgccc gtccatcaag tttagtgcc cgtacgtaat 360
 taaaaggcca aagccatag caaccattgc ccacaagaaa tattcacttt taaggctctt 420
 atttgccagc caatcgtagc tgagtgagaa tgccaccagc atttctggta aaaggatgtc 480
 tccaaaacct atgatgctgt aaccacccca tggataaaaa atacgaggga acttcagtta 540
 catggggaat ttcatttttt tcaactcgat cacctcgggc ttccacaatt atgacatttt 600
 ccttgaaaac tttttt 616

<210> 30379
 <211> 553
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049d10d1

<400> 30379

ctcttattca cgtctatgaa ttttgagaat ttttctccct ttgcactagg aaatctataa 60
 acaacttgta gtgtgttgtc caattattcc ttggcagtgc tgggtctttg cctgatgat 120
 gccattagca cagcaacagc cacaataaac ataaacaaca tactccctag cagtatatat 180
 gttcttcttg atgattttct gtactcccca aacagaacca cgccccaaaa agtgcttaca 240
 agtgggaagt cctggactgc atctgctgct gcatatcctg cagcttgacc acccataaat 300
 tggagaccat tcccaaacc acaaagcaaa ccagccaaca tggcccagac tctgccatct 360

gagtccgcca aataagcctt aaatgatgac ttgggtaggt ttaggacagg gtggttagagg 420
 aaggtgatgt ttagaatcat ggcaataaca aaacatgaga ctgaaaaata gaagaaggca 480
 gtattaactg tcaaatgggg aacccctttt ctcaacgtat tccattgggc attttgttgc 540
 tatgttgaat gct 553

<210> 30380
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049e03d1

<400> 30380

aattaattca agaaaatggt gaaatgtgac tccgtgctga aagacggtaa tataacacta 60
 aagaaccact gcaatcctct ctaatggaat atactgatgg ttctaccctg cataatcggc 120
 aggttcttaa aatcataaaa ttacaccctt gtcttctaata agaaccctg acaactacta 180
 tgcacaaaaa tcacattcaa tgtgatggcc catccatcgt cacacaattc accaacattg 240
 acaactatct acaaacccaa tgctggacaa gactacaaag aatcatatct tgattcagac 300
 gtgattttct tttttacaga agttttattcc taaaatggct gctagaaacc tattccagca 360
 cccattgatc caatactact gccactcttc ttgagtacag gtagtattag gtataaatac 420
 actagtgtaa atgtccaaat ggaaaagcag cccgcacatt ccagtttcct tcgccatctg 480
 gagcgactca gacacaactt ggtgagcatg actatatatg acctctagaa tgcaaaataa 540
 ttaacttgca g 551

<210> 30381
 <211> 559
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400049e07d1

<400> 30381

aaaccataaa ctttttatat ttttttcggt ataaattaaa tgcaacttaa aacatccctc 60
 agcagcaaag gaaatggact aaaaccctat agctgcttgt gaaattcgaa atatctcaga 120

ctcttcttac catcaaaaca aaaaacagta ctcatcaaaa acaaacagca atgaaaattg 180
 accaccnccg atcaagaacc tagttttgaa agttacggct acatgaaatc ggcagaaact 240
 taaaaatata acttaaaca aacacctaag actctgcaag gataaaacta ctataaagga 300
 gtaaccacga tgatgatcac atgtgctagc aaaattgccc aaatgcaatc acttcttctt 360
 ggcagcggcc ttggtgacct tggctccggt ggggtctttc ttctcaacac tcttgatgac 420
 tccgacagcc acagtttgac gcatgtccct cacagcaaaa cgaccaaggg gaggatactc 480
 agagaaagtt tcaaccacca tgggcttggt tgggatcatc ttaaccatac ctgcatcacc 540
 attcttcaaa aatttgggc 559

<210> 30382
 <211> 564
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400049e08d1
 <400> 30382

atccaaaact gtttttaaag atgtcttggc cagaaaagat cttaatcata atggacaaat 60
 tacaatttca attacatgct aatcaattat tacggctcag gtcactggc cactgagttg 120
 gactcttttc agtcgagtcc acccagccga atcatcgccc agaaaaacca aaacaattgt 180
 cttaaactaa ccataaatta ccagctgctc aataataatt attataataa acacaaaact 240
 taaaatacag ttttataagc attttttagta cggttcatcg gttaaaattg gatttctatt 300
 ttgataactt atcataataa aaacttttta ttatgtgaat tatcaaaata aaactccaat 360
 gataattgcc aaacagaact aagattacat acaaaactgt gtgtttgtct tgtcttttat 420
 agaaccagcc gaactttaaa cactattgag ttcatttgct tgcactttta ttaccttaaa 480
 aaattaatat actgccatag gggtttttgc cattaagacc gaagaaagtt ccaacctgag 540
 ccgggtgtta acccgttgaa cccg 564

<210> 30383
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400049e09d1

<400> 30383

gaagccacaa agttcagcag aaccacaatg aacaccagga aatattaatt gattatctca 60
 agtggtttttt ttagtagtga gacaatgcaa ctcaaaatta taaaggataa caatccaata 120
 tgaacaagat aaattatttg attatatcaa gtcatagctt ctcttcaagt ggagaatgct 180
 taggtttctca ggggtgtgtat aagcagggttc catcatcact tcttgcaagt gggtcgaagt 240
 ttgaggcatt tggatcagta caaccttcag gaacgggaat ttttacttgc tgggctgctt 300
 tgccatagaa agttcctctt ttgatggcat cctgattagc atcaccaaga gcagcctcgt 360
 tcaagtactt gtctgccagt tgtactctct tcacattctc ttgttcttgg acaagcatgt 420
 taccatactc caagagcttg c 441

<210> 30384

<211> 506

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049e10d1

<400> 30384

aaggggaaaa atttttacct tattccccat caatccctgg gtaaaccctt aaacggggaa 60
 ccccaaata ccaaaccaag ggggttggtt taataaccat ttagtccatg ggggaccttt 120
 taaaacaaaa acctttcctc cttccccaac gtccatttcc gaccttaaaa ggtaaaagga 180
 accaggaaac cctaattggg aacaaatcct acttgaggga tgggggaccc aaaccggggc 240
 ttcctttttt tgggtttttg aggttccggg ttaagggttaa ttggcaatgg ccttcccagc 300
 accaaaaaaaa ccagcggagg cagccccagg gaccataagg tccctccttc aatgggtata 360
 atggtggtaa aaacggacct tttcccctta agtttgggag gacctactta caagtaattt 420
 cttttgggca gccacggcca accgttgggg gacagcgggc caccacaaaa taaaacctgc 480
 catggggaag gaggcctttt tggcaa 506

<210> 30385

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049e11d1

<400> 30385

caacgccggg aagtaatgaa catgccaaga aatttatggc gattatggaa caaatttttg 60
 aaatggaaac catccaggac gggtgatata aaaattgggt gagcatttaa caatctgaca 120
 atgtttcaat taaggcaagc tccaacacat gcaagcctca cattattgaa ggcaaaaagt 180
 atatcacact tcagcaggaa tccaggtcac ggcagggagg aggcttgggc tactttaaca 240
 aagtagtggt cccttcttca ggtccactct taattcggcg gggattttgg gtgccgtgcg 300
 ggggcttctc accctttctc agcttttcta ctatcttaac tactttcttt ggggttacat 360
 cttcaaagta attataagta tatccctctg atccatttga ataatcagcc actgtaatca 420
 taggagcatt cacacagcat tccatgcatt tcattttctt caaacagaaa acaaacc 477

<210> 30386

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049f03d1

<400> 30386

ggtaattata ttttatttta ttaactcatg gaacgaaaaa aaaaaaacat cactgcagta 60
 tagcatttat aaccattgat taaataacct tatttttctt ttccccctc attgtttttt 120
 ttttctctcg tcgaatttta aataacaaaa acagagaaat actagctcat tggattgaac 180
 gtgattaaac atgatgataa ttgagagaaa ttgtgaatgg ccaccatcat ttacagatcc 240
 caacaataat gcaacgccgt ggatgtaatt gtcacataat tgtgcatcct tgtggattct 300
 cttcgctgaa atattgatca caacggttcc cataacaggg tctgcctcca ctgtaactat 360
 cgtaaacggg ccttgcatag taaccgtcgt aacagagcat gggcccaccg tactcgtagc 420
 caggcccaac gggcctgcct ccgtagcacg gaggaggagc atagagcatc ccaactggga 480
 ccgccatcgg tgc 493

<210> 30387

<211> 514

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400049f07d1

<400> 30387

attggttaat aattatatta ctttgggata aaacatttgt tacaagttta gttcatccta 60
 aaaataggat aaaactatac acaatgaaat cccttatttg aaaagattct gaataagtcg 120
 tacatttttag tttcactaaa ggatgaaaat agaaagggag ggaagagaga gagagagaga 180
 gagagagaag attcttccaa caaaacaaaa gggagaaccc tgtcagtata caccaccaat 240
 taaggatatac aaattccctg ttttcttcct ctgttcatgg ccaattaacc ttttctcttt 300
 agtcaatgca gaaaacaaca aaacaacaga aattttttct gcctgcttaa cttctttggg 360
 acatctgaat tcatactttg agttacaatg gtgttttagtt ttttctgcct gcttgacttg 420
 tctgcatgat ctaaagacct gtcttggact gaatcagngt ttaattgctt gttgctgaat 480
 tgtgtttggg ccacaattgc tccgtttccc aagg 514

<210> 30388

<211> 497

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049f08d1

<400> 30388

aacaagacaa tttccatttt tcattattcc accattacaa gcgacctcg atgcaaggga 60
 aactagaatc ccgggtacaa gaatacaaga taaacaacct tgctactttc taaaattcaa 120
 tcatacatag gctgggtgtg ttaaccgaaa tacatgatac agaaggaagc cagaacttaa 180
 tagactaggg agactttctc ggctttggca gtcatagtgg cctccaacct aaaccagaac 240
 ccaaaatgct atggcgagtt ggtttcaaaa tcacactgca gcagcaccag caggaacgtt 300
 agattcaact gacttcagta tctctcacc tagctgtttg catcctacca gcttcgttcc 360
 agcagaatat atgtcaccag ttcgaaatcc cctgttcaaa gagtccatca ctgcattctc 420
 tattctttca gctgcctttt cttctcctag gccatatctc aaaagcatag cagcactaag 480
 aacagtggca aatggat 497

<210> 30389

<211> 487

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049f09d1

<400> 30389

gctaatatcc ttttgctcag gataatcata ggaaagttct ccgaacactg tcatggtgta 60
 ttattcccca gtggagacga gggagctgga gaaatagaac gattaaattg gagccatatg 120
 agaagatatt agggagaaaa taaatatgaa atgagacatc aggcacgcac aaatccacct 180
 gatcatgagt cactgtatca aataataaaa ttggcccaa aatcatatgc tagatcctgg 240
 atggtataat aaaccagcta caaaaccctc tagccattat gcaagtattt caaaactggg 300
 tctccttcc cgagccgct ttagaagatt tcacaaatat tactagtttc ttgggtttac 360
 cttatgatat gatagggtt aacacaacc accatgggct ttggaaacaa tgtaaaatga 420
 tatgatggta aaagttgaag tcgccaata tgatttaata ggcaggccaa gttaagggt 480
 tgagagc 487

<210> 30390

<211> 553

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400049f10d1

<400> 30390

aacaagtgcc attttattta ttataactgg gaagttgaga tgacaatgga agactataat 60
 gtaactgcac ctgcacctc atcaatggct catatgcaa aacattaaca atcaacaagg 120
 taaaagcaaa actagtttgg gatttaattt atcaaactgt gagcatgttt caacagaaat 180
 gacataaata gactctacat gcaaaccacg gtaccaaact cttagcaaaa gtccaacaat 240
 ggacaaaaac agaaaacatg tagataatct ggatcaacct aaggccaatt tcaagatcaa 300
 cttgaggcat ttgtattact catagatcca agagtgtgg gagctttgcc agttagcagg 360
 gccctcaggg aaccacaatg caatttcctt gttagcactc tcaactgaat cacttccatg 420
 gataacattc cttccaatgt caatagcaaa gtcaccacga atagttccag gctcagattg 480
 agctgggttt gtggctccga taatcttctg gccagttgta acaacattct taccctccca 540
 gatcatggca aca 553

<210> 30391
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400049f11d1

<400> 30391

aattatgnta ttagatggct tgttggtaga atcaactgag aaagaaacat agcaacattg 60
 tatgttaaaa atgctctaaa atcctattac atcagagatg cactacggtt acaatttagt 120
 catacaaaag ctgagtaaca acaattgcct actcccatga tactggtaat gaaaatagga 180
 aaagaaaaga aaaacaaagg gaaatatacc atcaacatca ttgtttcatt agctcactta 240
 taacccttct gattcatgat ttatcttatt cacaagccaa tttggtgtca aagctgctca 300
 agcatattgc aaaagcttgg aatgcagata aagggtaccg ataatccatg gtgaacatgt 360
 ccttcccaac tttgccaaac tgaagaatga tcttatcgtg ctccggtgga gctgggtgag 420
 atgggtgtagg tgcaccagca gctgggtggg tggcagcaat caactggaa 469

<210> 30392
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049g02d1

<400> 30392

cacacattca taacaaacgt aggtgggata ttagagtact attattaatg ggacacaatt 60
 gagttcaaca caaaccgaac ttattttcaa gggacattat tacagacca ttaaacaatca 120
 aagttcttca aatgttttgg gaacacatcc aacattacac aacgagctta aaacccccca 180
 cggagacgga ggacaagggtg aagggttgat tccttctgga tgttgtagtc agcgagggtc 240
 cttccatcct cgagctgctt gccagcaaaa atcagcctct gctgggtccg tgggatgcct 300
 tccttgctct gaatcttggc cttcacattg tcaatgggtg cagagctctc cacctcgagg 360
 gtaatagtct taccgtaag agtcttcacg aaaatctgca taccaccacg aagacgcaac 420
 accaagtgga gagttgactc cttctggatg tagtagtcag caagggtgcg tccgtcctcg 480
 agctgcttcc ggogaagatc agcctctgct ggtctggggg gattc 525

<210> 30393
 <211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049g04d1

<400> 30393

catatacact gctcttattg taacaaaaaa ataaggggaa aaaggacagt gcttccgcta 60
 tccactgtac atgccgacca ctaagtatac attttcacaa cccgtatcct ctcatatgatg 120
 tataacaact actcaagcag gttgaataaa accggaaaaa ataattaata attaaacaga 180
 taaaaaagac aagtccaact gattcaagta tctaaaactc aaaggctcct ccgtctagtt 240
 cctgttacca gagccaatgc tctcatagaa taaaatgtaa ccatgggtctg tattgctgga 300
 atattcttgc gaagacccaa agaatgtctg aacagcagac tcatcaatca tctcaacatt 360
 ttcgtcgtca aaaaataacc agtgggttatg gcttttcaca aggcttacat aatgcccgtg 420
 gttggggcca ctcccacatg gacaactact gcaaataagag aataactcaat atctgcatct 480
 ttagcagtat cacttaattt cagcctaaga gggaagacaa cccggtagac 530

<210> 30394
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049g05d1

<400> 30394

aaaaaatatt tggggatagc ccataaaatt ggaaataaac tgtaagtagg cttcaagtat 60
 taaagctaaa tatcattaaa cacctttcaa agtcttaaga cataactgtc ctagctctgg 120
 gaatcagaac tcaaattatt ggcaagggtt ttatcatacc aagactaatg ttccaactat 180
 caacttatat atcacaccaa aaaccgggca cccaaatctc aatgctcaaa ctcggttgga 240
 tctccagggtt ttttccactt gaaaacttta gtaggggttca acgggggtac ggaagtttagc 300
 tccggcgtac actgggttcag caccaagctc ctctcaatt ctcaagagct gggttatattt 360
 agcaagacgc tcagacctgc atggagctcc agtcttaatt tgaccgtag ccaaaccaac 420
 agaaagggca gcaatgaagg tatctcagt ctctccactt ctgtgactgg ccatgacacc 480

ccatccagct tttttggaca tcttgacagc ttcaatactc ttaagcacag aaccatttgg 540
gtgacc 546

<210> 30395
<211> 374
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400049g06d1

<400> 30395

aaaaacgaca atatatttat ataatcacga gcggtaaaaa tacaacatac aaataaaaat 60
aagggagagg gacatctaca caaaatccac acaaacttaa gtcaaacgag gacaataata 120
cttataatac tgatgctgat gacagaaatg agaaaagctt gaacctttac acgtgagctt 180
taacctcccg tgggtgctcg aagacatact taataagaga atccttaatt gacacccgtt 240
atggaaatag cttattcaaa cggggcgggt gcagctcatt gaagctcctt ggtgacacgc 300
taaccttggc ctgtttatct aaagctataa ggggcgactg gaagtggggg cccactgaa 360
cagtgtgcat ttac 374

<210> 30396
<211> 516
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400049g09d1

<400> 30396

aaattataag attgtttact tctcctttga actaacggta ctataaggat acaatgatac 60
acgaacaagc ggctcagcaa tgtaaggta aacattgcac tgtttttggg taacatttca 120
tgcaattcct tatcttaaaa atgggttaca tcatgataaa taacgattct tataaaaact 180
gggaaattgc taaagagaag caccctgttc gaaagtggac cgtatccacg atagcaactt 240
tacacggatt ccaaactggc ccaatcataa ttcttgagga cttgcaccac ggcaacattc 300
tttatattag tcatctatgt tcttcatgta ttcttttgaa agtttagttt ccattatcac 360
accgtgttct ttgattagag aataacccga ttcaagtaaa gcatccaccg tttgctctgg 420
aggaataaat acaggaaggc tttgggcctt tcttctcttg agaaagttgt tttcaaaatt 480

ttcaacacct ccaatatcat caatccactt taaaat

516

<210> 30397
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400049g10d1

<400> 30397

aaaatcataa attttgtatt ttagcattaa tataatgcgc ttaaaaggca aaagtgtatc 60
taacttatag atagcagtgc aagacaacat tcattcaaac taaatgtgca atctactatt 120
caactaataa taatagttgc atggaaagcg taggaaacaa cccttgcaga atactaaata 180
tgcttcaatc aagcaaactg gaaactgcat ttttcctaaa tgcattcaact agagccaact 240
ggtttagcaa cgttttgttg ggaaataggt tatcagcttt aatcctctct ctgattccat 300
acgctggaac cttggcgctt acatatgcct gtattagaac ttggaactga cttattcggg 360
acgtataacc tgcttgtctc attttaagga aaatcttctc cgagttatgg acgtcacccc 420
tctttgcata ctgctctaaa atagccaaat aggggtggtaa acatntggct gcagctgatt 480
ctgttggatt gccttatgca 500

<210> 30398
<211> 509
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400049g11d1

<400> 30398

agttaaaagg gtttattccg atttcataaa gaatacaagg ggggaaactt atacccaat 60
acaataatgc ctttattctt atgctccctc aaacctaatt tatgcaattc aaaaaaagtg 120
ggaaagacca ttgagggtga aaagccaccc ttacctaata taccaaaatc ttctaaaata 180
gaaaccatag gggagggtga tcaatatttc tcattacaat ggtaccacat tttcaactca 240
acaccaccac acacatctac cgcagtgtgt attttagcaa ttattaacag agaaatggcg 300
cttcaaattt cacgatgatt tggcaaccaa ttgctcgagc ttctctagtg tgacactttt 360
gggcctttca agtggcattc caagagccct atcccatatc aactgagggc caactccaaa 420

gctccttgat acaccaaaga gaacagtata atagttttcc tcagtttagac catagtagtt 480
cagtagcact ccactgtgcg catcaacat 509

<210> 30399
<211> 555
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400049h03d1

<400> 30399

gtattattgg ccacaattag aaaatgagta cataacgcta cctagctcta ggtagataca 60
tatctacaga aagtcttgaa ataggacagc aaagaggaga aaattgacag actaaaacaa 120
caatcattcc aatgacttga gcagcctaaa taacgcagct gcctctctaa tacgtgaaaa 180
ctcgatgcaa aacgcttgaa cttcaatgaa gagatcttta acattaataa tattgttccg 240
aatgaggctt tgcagaaaaa cacagacaag ttcacaagc ctgttctgca tgtatttattc 300
cttgatgccc acacaagatg ctatacaatt agttatgtac atgtgaatga attgagatgg 360
tagttcaaca gctgttgtca gcctgttcac aacttccatt gaatgtagac tcatgtccat 420
attgacaagt actggaaagt attctgctat ttctggagaa tttatcaact tagtgagaac 480
gtcaactgca ataaggggat tgttttccac caggtctggc aactttcttg gtgtcagtc 540
acagtgatat acaag 555

<210> 30400
<211> 551
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400049h04d1

<400> 30400

caagaaagtt tttttccct cccagcaag ttgcatcatt caaagggaga agctaactat 60
ccaaggtttc tcttgattga aattaagaat cagacataac aacagacacg gacagtaagc 120
aagcatagct ccttgcttaa gttacatcaa gaagttcact atgtgatgtc tatttatgca 180
cacctgtcta atttcttttg gacatatccc tcatgaacta tgttctgcaa aattaacagc 240
taatgcacac aaattggatg tggtagttg ttaccatgtc ttgcaaggta actttccata 300

aataactttt caggcttgcc tagtgaagtt tccctttcct ataatccaat aattgctgct 360
 ctctgtgttt atctgcagca agtttagagg ttcccaatt cagcttcctc actgcctctt 420
 cagtttcaat atagtttga ggtacatcag aacctccga aattagagga aacttaactt 480
 ttacatcttt cctactacca agagcaaaca tgccacgtcc cctattcatt ccaccttcca 540
 aggacaaagc t 551

<210> 30401
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049h05d1

<400> 30401

aaataattat ttcagtaagc taatacatc tgaaagtc tcttataaaa agaaaacaat 60
 attccacttt cattatatca cgttttttgc aacagttaca attggtgtaa ccgtaacaac 120
 acatccttaa aatgacatta catgtaagaa aaacatgctt tacaattaat tccttacaat 180
 aactctagta aaattgaaat tgaacttaac aatacaaatt ttgaaggac aagaaaacac 240
 cttaacagat caactcacia aagaactacc ccacttttag ggtgtatatg taacacacia 300
 acacacaatt catataattt atttgtgtg tctcttctaa ttgggcctcc tacattgctt 360
 ccttatctgc ccatttgacc cagttaaggg ttgatgttt cccatcttaa tcattgcagt 420
 gacaaagtca gcctcaaagg ccttttgatt gttgctgtaa gctctcacta gtgaatctgt 480
 ggatcctcca ttgaagagct cttgatcaga atgaaggaga ccctttttgt tgat 534

<210> 30402
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049h07d1

<400> 30402

ctctcttgta ttatactcac tttgtgcaa tcaactttt gggtagccac ttaatattt 60
 ccaaggtaga cgcgtaaaaa attggatgtg gatccgtagg ttggttttgg ttcccaatta 120
 gcatgtgatc taactcgttt gcaaacttgt ccatagcttt ggcgggcaac caaattggta 180

ataatatgcc ttcttctcct ttgtcattct tatgtgccat cagatagaat actgcaggaa 240
 aggggtccagc cccacctttg gccactccac catataatgc cctaccccac ccaaaatcaa 300
 tttgtttgaa accaaaatgt ctcaaactcg acacaataaa agatctcacg gcggttaaca 360
 agcatcttcc attagtcacc attagatctg ccacagaatg catgtattct tctgtcacct 420
 cacctttcag tttattttatt aactccactg catacccaaa tggattttca caaag 475

<210> 30403
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049h08d1

<400> 30403

gtgtaccata catttcactc ttgtattga ttaaaataga taaaagatac attaacagta 60
 ggtagtgtc ttttagagag agaaagagct tttttgaac aagccaatat tactcttaac 120
 aacatattta taatgttttt ggggtccacca acatatttat aatgtttttt tttccaatat 180
 ctagagcttt atgcgaccgt ttggatcat ccacttcacg ctccattcat tgaacctaca 240
 cttgtaggac caatatgccc atccaaaagt tgcacgagaa tacacaccta gctgtgcttg 300
 ggcatacctt tggtagtctt ccttagtcgc accttttaca gccactcac cagtccactc 360
 ccctacaaaa ctgagagcat ttgtggaaga gacgccacca agattagaga cacgttcatt 420
 tcttatgaag tcaatatttt cttgaacagt catgctgtcg aaaccgttcc aaaaaagatt 480
 ggagtaatgc acatcaatga ctactctgtc aaagtctttg acaaatgaga gaagcacttt 540
 agaatct 547

<210> 30404
 <211> 513
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400049h11d1

<400> 30404

aatcatgca tacttctcat tcattccttt ggtattacat atctatgaca ttcaaatga 60
 ttataattgg accaaactcc gagttggata agtacaagaa caaattttta cattgaaact 120

tttcataaca aggcctttcta catgttggtg gtttggttca ctcatcaatg tgatccgtaa 180
 ttctgagaat aaatgtaatt tccaaaacca actccaatth taattccatt tgctactccc 240
 aacattgttc atcaccagaa aataaaagaa caatttagac tagcaataaa gtgttacata 300
 caacacaaca aacaacaaag acagagaaag acaatctgca tacaactcac gaccaaaact 360
 atagatgaaa aatggaccga acaaagatg acatgcatat ttcttactct tcaagttcaa 420
 tttccttcat gtacccaaaa ccaccaccag aggttattht ctctcaatca gagtaggggt 480
 ggatcttgaa cctgttaaga agcctcttht ttt 513

<210> 30405
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400049h12d1
 <400> 30405

ggcttattat atttagttta ataatgagaa agttaaagg atgatgagct ggcagtccca 60
 tagtacatat gtacacttgg acctgttht atgaagcaag atacaaccta agaatacaca 120
 tacacagctg cattcattcc tggcatatga aatgtatata catgcagtat aggatggatg 180
 gatggataat gaattgcata tcatcatgat tcatcaggct ttggctccag aatgacgggt 240
 atcttctcct tgtggtcacc tctcaacacc tgcacaatca ccttatcacc cactttacac 300
 tggtaagaa ttctgtataa atcactttca ttagtaacct tcttatcatt cacagatgtt 360
 atgatgtcac ctaaaatgag tctaccataa gagtcacgct ttgttgattg caagcctgct 420
 ttcccagcag gaccattggc aggagcatct aagacaagca ctccacttac tcccaactgc 480
 tccacagact gatcaggg 498

<210> 30406
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050a03d1
 <400> 30406

ttggcacgca taaaaggga ttattaaaa tccattcgat gttcaaagg taatagtaga 60

acaataaaaag ggccaaacgc cctaacaatg gtctaacata aaagggaaaa aacaccaaag 120
 aaaaacaatc actgtctgga aaaccggact tatttttcgca ggggcataat aaagacactt 180
 aagaaaacta ctcttcttca tcttctctt tccagcactt tagagttgat ctaggggaac 240
 cacagtcaca agtttttgga aatttttggg agacaagaga accaccatt ccaagccctt 300
 tgtgggtcct ctttttcgga cagtatccct taacatccag aaaacacgtc tgatcaaaca 360
 acttgcttgc accatccaca tgaactgcaa cagagaactc agttgggaga aaacatgcca 420
 ataccctctt aacca 435

<210> 30407
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050b01d1
 <400> 30407

aaggggcca aatcaacaat aattaagaac aattattatc catctataga tggagagcaa 60
 aattaacttg cttttttaa tttgagcttg accttaccga ggatagaagg aacataatat 120
 aataactaat tacactgcat ccacccggg taccaccagt gattaagatg aggggattca 180
 tagaatacac ttgctgggag cagggcggag atgttctcta tcatctgggg cgtgaaaacg 240
 tcgtcgtcgt ccagcggctc gaaattattt atactctcca tcgaggaagg ctgttggtgt 300
 tgttctctct cgtagcagcc ggcgaggctc atattttcgt cggcgactgc gggaggaaca 360
 acacaattca cactgtgaac attggcctcc tctctttga tgtgatcgac agaagaggag 420
 gaatcagggt g 431

<210> 30408
 <211> 347
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050b03d1
 <400> 30408

aaaaaacaac ctttctaaa aaagtttaa tggtttaaca accggcaaca aaaggaaaga 60
 aaccgggaac aaaaagagca agccaatttg ttcacgtgtc agcctcagag acagcccatg 120

ttatactttg tggttttact cgggataatg gttgggtccg aatttcattt ttcatttccc 180
 attttttttt ttgttttttg gtgaaatttt aatttcccat tttgaaccat aatatttcaa 240
 actgattttt gttgctttgg attttttttt ggggagaagg gagagaccct tcaatcacca 300
 cttattttct ttaacaagaa accaagcgtg aatccaaaaa cttacac 347

<210> 30409
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400050c01d1

<400> 30409

acaatactgt ttaagttaca cttcctcctt gtataatgaa tcaatatttc aaaatttgtc 60
 aacgtcctgt atctctccaa ccataacatg aaaactgcag aaatttgaga tgcctaagct 120
 aaatcagtca ctcaatcatt agttctgata cctttagaaa ctgtacattt caaaaacact 180
 aaaaaaaaaag gcccaaacct cttaaaccga gtaaccatcg ttccaattgg gcttgggaaga 240
 aggtcctcca tgctcactcc gacttctgt aaatctatat aaggacagct tgtttcggac 300
 tgtttcttaag ggccctgata tattcccatg cctaactcgt aaagatattt catccccaat 360
 caagcttgaa gttgaaaagg gtctgttttc catttcttca agtggaccgg aactgtattc 420
 catagtgatg aaggaagaag cttgcccga agttattcga ggggttagcc ctcccgcat 480
 ccaccaactg c 491

<210> 30410
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400050c02d1

<400> 30410

cagtagcatt aaacttgaaa gaaattttca catattttga caattacaag gtttagtttt 60
 tggtttgggg ttgtgtccat tgttctggta tgtgactgca caaaggccag acaacacaat 120
 ggatcaagag aatagttgga tcaactaatt cagagggtgc cctgcattat cataagtaca 180
 tacctaattc ttgaaatggc cagcaagcca agtatgtaaa agaaacttgt ctttggtgta 240

catggatcat ctctgagctt catctgaaga agtccaact gaagtagctg ccatattgct 300
 cgttgaccca ttctcaatgg gtggaggcac accccatttg ccttcagact caaggggctc 360
 aaagacatga acttccgcat ctgacagttc tacagcaaac tggtttg 407

<210> 30411
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400050c03d1
 <400> 30411

gtataatagt tatcatttca taaataagta ttcagcaagc aatttatgga tacaaaaggc 60
 ggctccgata aaatttaatg ttattaagca aacaagggga aaaaagaaaa agagtagcag 120
 agtcggtttt ccacgagacg agaagagaca cgcaactcga taagtatcac aaaagattac 180
 agaagaaaag gaacattctc ttctcaacta tatectatgt gttgctgttg ctgaggtggt 240
 tggtaaccag gataccccgg ataactgcc aacatgttgg gatcctgtcc agcagcagga 300
 gcatacccat aattttcata accttgtgca gcatacccat agtatccacc accagaacca 360
 gcaccacat tccactggtt tggatctgcc tgagcctgtt tgttngaagg actgcgggccc 420
 catgaaagac gaacattttg accaccaaac aggggtcccat ttcacacccg gagtgcctt 479

<210> 30412
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050d02d1
 <400> 30412

aaagttctaa aaactcacia tactcggaac tgaaaatggc aacattgcta agatttatta 60
 tgctactaaa aattgaacat ctctttggca acaaacattg gacacatgaa aaactaagtt 120
 ctcagctacg atgaataaga ctttcagtgt ttgacggagg acgcatcagg gacctgacca 180
 ctactggcaa tcaattactg gttcgggctg gctgatttca cattactact ccggagagag 240
 ggttgcgacg cgaccacggg ggggagttt aggaccctgt ctccccttag gatcccaatc 300

aagcatgatc ttacacctaa tgccaagaac accctgcctc aggagcacat gtgtcactgt 360
 ggagacaatg tgatctttga cgggttgccc agaagaaatc atgtaaccat cctcaaactt 420
 catagatttg gctctatggg ctctcaattt tgcactcaca atgacctgcg cttcctgaac 480
 agcactgtgc ataacaaacc tcaagacacc ataacaagcc ct 522

<210> 30413
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050e01d1
 <400> 30413

gtaaacctta taagtttttt atttatagta atctgtagta caaaagcacc attttctctc 60
 ttataatttt gatttacatt cacaaagaaa taagtatgat gctcatgatg acttggccac 120
 atcattaatg ctacgaagga ttgaagtgca tgcaagagtc aagaatatgc attgctacga 180
 agttgtaa at cacaatgcta gaaaacacaa agcagttcct cttatttatt aagtagataa 240
 tagacctcat tgcttgcttt aggcattgggt gttgtcctct actggagggt actttccata 300
 aggtgggttc ttgtatgggt gcttcttata tgggtggcttg taaaccgggt gtttcggctt 360
 gtaaaccgggt gggtttgggt tataaaccgg tgggtttgtac actggtgggt cgtacactgg 420
 aggcttgtac actggtgggt ttttaattgg ttgt 454

<210> 30414
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050e12d1
 <400> 30414

gataaaatag ttttttaact ttgtgatagg aatacacaca taagaagtac acgagagtac 60
 tttgtagatg tttaggcagt gctacttcat ggcattatta tcagcattgc agattacagt 120
 ggctggatgc tttatttata ttggtagata ttatttccag cagattattt aattactcat 180
 ggcaccaa at tgggaaatca accatcaact ttcatgtctg tctctggaag ccaggggaat 240
 ggcagtgttg gtttagttgc ttccagaaga acctcaatgg gaatctttgg tgcagatggc 300

ttcaatggtg ttatggcgtg attatacttt tgagggtttg cacagtaatc ctgatctgca 360
 tgcattttta gcacaaatth tttgaatata ttaaaatttg atttttgcag tagatcatct 420
 gatagacgaa ggtatgttac ttcgaacatg cttagttttg 460

<210> 30415
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050f02d1
 <400> 30415

ataaatatta taaaaattta aaaactaata actgaactat ttttagtggt tgcaagagag 60
 gcaaaacaac tcaccagaga tcaatacctg gaaagctatt tttaaaaaat acaatggcac 120
 acaagattac cttcctaaat ggaaacaaat ccatcgagat ctgagctgat catctcatgg 180
 gatctcaatc tcacaaaagg atggatactg caatttgaag ccttaggaaa aggttaaacc 240
 cgacttctca actaagcatc atttcctttt ccttgtcttc attttattgc ctatttgctg 300
 tagatgaaca tttggtgaac ttgctgctga gccattgata tccagctgtg cttcagatag 360
 gggttctgac aaatgcttcc tttttctaga gtttgggggt tttgattttt ctccactgaa 420
 ctccagagat attaattcac attccttctc cccctcattt tcagctctgc catcagtaac 480
 ttgctgtgaa gcatttatac ctgaattggt t 511

<210> 30416
 <211> 503
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050g02d1
 <400> 30416

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 aacgctgcc a taggtttaat ttcataatag aagaaagggt gtagctagtg gtagtgggtt 180
 aaaaccatga atcttgatct ggtccttctc aacaaggcga gcatgaatga ggaagtgaga 240
 aacgttcttg cgctgatcac cctggagttg gataatcttg ccaagctcct tgtcatgcac 300

aacattgcc a ttgcagcaga actctttctt gaggtctttg aggatcttct cgtagctgaa 360
 ctctttcttc agcccttgca ctgaggtcag actcttcttc ccattcctct gttgtatgcg 420
 gatatgcaca tactcttttg ccccgaggagc atctgtttct tttgccttcg caaatgggtc 480
 gaaagtgtc gtaggggatc tga 503

<210> 30417
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050g12d1
 <400> 30417

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 tttcttaaca tcaaattcag atacaagcac atacgattgt gatttgtgag ggatttctat 120
 tgcacaaaga aataattccc tcgccaaaag acttggggta atcaaaagtg aaaaactata 180
 gaactaacct caaaaacttc ataacagtgt ctccgaagaa ctgtcagcgg caggaaagac 240
 tattatagta ttattaacag gtaattttta tgaaaaccaa cttcaagtgt aaaagaacct 300
 gtacggctgt actgaaagggt gtatcgtgac ttcagcttaa aaaaatgggt aagggttaatg 360
 aaaactgact taaagacctg tactaaatgg tgtatcaaga cttcagttaa taaaaatctg 420
 aatcaaatgc ttaatccaat tggctactct tccatcacgc tggcaccaag tataaaagtc 480
 acagaagaac aattgccgca tgtgggattg aacccgagtc agctt 525

<210> 30418
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050h01d1
 <400> 30418

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 tcagccaaaa aaacaaacaa ataaataaaa tccaaggttt cgggttaaac tataaggtta 120
 gaaaaggaaa aaacagatcc tcgataaaat ctttcaccac ttgagaaaaa aatggctaata 180
 cacatgttaa accccatgca atacatgccc cttatgacaa ttgatgcact attgaagaag 240

ccttaaccga ccaccctatc aaacaagggc cc

272

<210> 30419
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050h02d1
 <400> 30419

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 gcaagtataa gctgtaagca tcatagcact aagagcttat acaataatat atacattggt 120
 aacaatttgt atcatcatac agtttttcta tgtttaactc aaacatacaa ctttatttca 180
 ctgcaagcaa tcacagtcac agagctcaac acagcatttg attaactcaa aacaggccag 240
 ggctgcacat atctgagtgc aaacgatggg gcaactggtca ttcacaaaag tgcaagtctg 300
 caacagacac atgccacaac aggtatcagc caatcgacca caacaattgg aagcagcctt 360
 cccagtagt ccttcagggtg ggtttgcttc ttttatagct gggggcaagt tctcaacagt 420
 ttgcttttaa gtcaccaa at ccaagattca acccttc 457

<210> 30420
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400050h12d1
 <400> 30420

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 ccaggacggg tgatacaaaa attgggtgag catttaacaa tctgacaatg tttcaattaa 120
 gggaagctcc aacacatgca agccttacat ttttgaaggg aaaaagtgtt tcacacttca 180
 ggaggaatcc aggtcacggg aggggggagg cttgggctca cttacaaaag gaggggtccc 240
 tccttcaggg ccactcttaa ttcggggggg attttgggtg ccgggcgggg gcttctcacc 300
 ctttctcagc ttttctacta tctcaactac tttctttggg ggtacatctt caaaggaatt 360
 ataagtatat ccctctgac catttgaata atcagccact ggaatcatag gagcattcac 420
 acaggatccc atgcattcca ttttttc 447

<210> 30421
 <211> 500
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400051a04d1

<400> 30421

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 atacagaagc gaccaattac caaacattta tatatatata tatatataaa aaaaggcaac 120
 catgacctta acacacccat cacaagtcca aaacacttga acttgctcaa gggcaagaaa 180
 tgaccacttt attctaagggt tgtttgttta gacacaaaac accagagtgc aacataatac 240
 atactacata attttgaagt ttgtgaaacta catatagttt ttatcattat ttctaagggtc 300
 catttctgct tgaagcttta gctctccaac acctcacttg caagtgcagg ggttgccagg 360
 gcagttagct ccacatttgc agccatcggt ctcagcggga acacccattt cagcactctc 420
 gaattgagcc ttaactggtg ccactcccat gaccaaggtc tcggtggtgg ttgactcggt 480
 gtagctcaag tctgggtaca 500

<210> 30422
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051a06d1

<400> 30422

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 tttccattgt atcatagtaa attaaataaa tgtgtaagggt ctcaatcttc attgatacaa 180
 gccctgtaat acatggggca atattcagca caatagcctg acttgactat gtacagtata 240
 cacagtcttt gcgcattcaa attctcttat ataaatcttt gtttttggcc aggcaatgca 300
 tgattaggcc ttggcaatct ttgaggtat acttgaacaa ccagaagaca aggagcacca 360
 attatgaact tcaaataattt ttatataact gaacctataa tgatctaaac cacacgtatt 420
 tggtaaattg ctgcatcata gggctctaac cgcattaggac tcacttgaca gc 472

<210> 30423
 <211> 572
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400051a07d1

<400> 30423

gtataatntg tttcccttag gttttcaaca tattagctca ttgaatatct atgacagcag 60
 caacaaattt gaatccacaa caaacaaaaa ttgaaaacat gtatcacaaa aggtaaacia 120
 atccacagat ctgattcag gatcaaagaa tcgtttgcac cttgcacca attaaccagg 180
 cattggacgt ctaactcctc tttgttccaa aacttgaacg agcctcccta tgatgctatt 240
 aattcggcct cagtgccgtt taggattaaa cggtaggatgt tgtgagttgg ggacttgaac 300
 atgtagtcga aatggaagcc attggaggaa atgaggatga tggtaggctg gactagaact 360
 ggattagtga aaccagatc tgtactaaac attgagaggt acaatagcat agtttttaggc 420
 tgaacaaatt cattacggat acaaaactag atgagaacat acgaatctca taattcggat 480
 tttgccaatt ggccattttc agttacagct tccaagttcc agcctctttc tgctgctcct 540
 cttttcaatt catttatgcg attttcaact ga 572

<210> 30424
 <211> 518
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051a10d1

<400> 30424

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 taataataac taataacaat aagttaaacc caagataata ataattatga aaaaaaaaaa 120
 agagagtacc ggaaagaaac aaggtaggtg tttgttatagt tttggaattt cccaatgaaa 180
 cgctcagtta tggctgctct tgatcatggg ctttctgcag aggatcatgt gcacggcgga 240
 gaaaatgcca gagtcacccc ctctgggtcaa atagtcagcg gtcttgaaga gcattctatg 300
 aacatcgacg gtccccttgg gcgcgattcc caaagcggcg agaacagtga ccacaatatg 360

gttccgccag taggcgatcc tacccatctt caatcggtc caccatgggt gagccggcgg 420
 cttagccaga tcccgtcctt tcacaacagc aaaccctacc ttacgcgccg tctcggctat 480
 gtcggtgtag gttctaaggc caggcaacgc gttcccc 518

<210> 30425
 <211> 560
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400051b01d1
 <400> 30425

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 ttcacctgcy gtgacattgc acttaaaaaac tgaacacgaa atggagaaat aaaaaggaac 120
 aaaacggtaa agcaaaaatt tctattatctt acagtgaata gaacaatcca taaaaatctt 180
 ctgtgtgttg ctatatatgc tactgctctc tacatcctac aaagatgtga gattaaacta 240
 aaatttccat gtcaaagaat gaacatctca ttctaacaat ataaacattt cttcatataa 300
 tottaatgtc aaaagtcaat agcaaccttg ttaccacttc caatcccttg ctagaaatgt 360
 tctgtttctg tttcgtcagc agtcaccgga aagaaactca agatgacatc tgcccccagg 420
 tcaaaaaatc accaatccaa aaaatgtaga ttatatctgt aaatatgtac gtctaatac 480
 atcatgaaca aatattttta atcatccaca gtgaggcgag tctgacgatc accagttcca 540
 tctncccaa atgcagatgc 560

<210> 30426
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051b03d1
 <400> 30426

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 aaactcgctg cgcttaacaa aaatgtaatc aggggttctc acaaacacaa cacattaata 120
 cagaatgata aaaggagtct tgccaccgtc gatcaagaac ccaattctgg gaacaaaagt 180
 tgcgagatga tgggtggagac ttcaaactat gtccgaaaaa caagctacct agaaacgaag 240

acacaagggc aagaaaccaa catttattgt aaccataaga aacgacatcc cctgatgaac 300
 caaacgcac gattcacttc ttcttctggg cagccttggg gaccttgggt ccagtaggat 360
 ccttcttctc cacgttcttg atgactcca cagcaacagt ttgacgcata tccctgacag 420
 caaagcgacc aagtgggggg tactcagaga aagtttcaac caccatgggt ttggtcggaa 480
 tcattctaac aaaaccagca tcaccattct tcaaaaac 518

<210> 30427
 <211> 329
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051b05d1
 <400> 30427

acaagaaaag acaatggttg atttgctaag catattatat gggggaaaag aattacaatc 60
 caaccggtta aatgttttgg ttggggaaaa aaaaaagcgt taacccccac ttaatgggtt 120
 ggccgaacaa gccacgaaaa gttttccgga aagaaaggaa ggatcccaaa ggggaccggg 180
 aacatgtgga gtaaaacttt tttttctttt ttccaaataa ttaaagatct acacagaccg 240
 caatgcaaag ccaaacgggg atgacaacaa cctaaactaa gggttctcca ttttccttcc 300
 caaatttggc ttaccctcaa ttttttatt 329

<210> 30428
 <211> 564
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051b10d1
 <400> 30428

agagcacatt tttcagttta tattcattca tttagtccca acaaaagtat tattcatttg 60
 aacccatctt tgatcttccc atacaccca accacatttc cctttctctt attatttcaa 120
 taaacaaaat taccacacaa atgatataag ttcaattatt gaacaacttc attacaatct 180
 tttcaaactt cttttccggg catcaatctt cttcttgtca gcctgagctt ttgctactcc 240
 acctgccttc attggtgcag cagcatgaac catggatgtg gcacaagaac tgtaacagc 300
 tggctcagct ccaaccacag cctgttcttg cttgtttcct cttgttgtgt tgctagttga 360

gggggccaat ggtgattgca atggcaatgt cgcacccgat ggtgcagttt tgactttagc 420
 attaagaact gaggtgttac tctgatcaac attcagagca gttgtagatt cagatatagc 480
 ttcagttttg aatttggact ttgtgtttgc atggattcct gtgtaaagtc tggcatgtct 540
 ggcatactcc tcttaatttt caag 564

<210> 30429
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051b11d1

<400> 30429
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 taactaaaac taagcattaa atatggaact tcacttgtag aaaaaagata tcttctgcat 180
 ataaatcatc aatgagttgg ccaagaagct aggcattaat aaagccatgc cagtttcatt 240
 gctatactca ttcccctaaa actctaccgc tcagttaagt aaagaagcta ttcattgtaga 300
 gcagagaggt cattagtaca tgctacacaa aaatggcttc aaactttgca caaggatggc 360
 tttccaagtg actcctgaaa tccgcacccc ctttgaagct gaagtaataa agtgcttgctc 420
 tttgtgtcaa accaactggg tatattttgt agagttttta atcattgccc cctctaaaaa 480
 cttcaggtct ttctgtcttc catataggta catgattcag ggatgtgaac ttgaaacaa 540
 ctgcagactt ca 552

<210> 30430
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051c01d1

<400> 30430
 gcatataagt ctcgggggta atttttgatt ttgcaaatta gacaatcaca gccgtacatc 60
 acacgtgagc tgggcctctt ccaacttaaa agcagaggat aacattggcc catgacgcaa 120
 cacatgcacc acctaaataat cataatttta catgtttaca taaaaaac aaagacttta 180

aattaaaatt aaaaaaaaaa agataaacag atcatcttga tgaaatgaaa ccgaaaccca 240
 gaaacattgg tttgattttt tttggtgttc ccaacttgat taagcatgaa cggcttgatt 300
 gaatcacttg gacttgaagg gaatggcctt gattacgacc tggtaggtaga gtgctgcaag 360
 tgcagcacca atgaaagggtc ccaccagaa gatccagtga tcatcccaac caaggctcct 420
 gttgaagatg atagggggcac caagactacg agcatgggtg ataccaacgc cgggtgatagg 480
 gatggttgcc aagagaacca agaacacc 508

<210> 30431
 <211> 552
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051c02d1
 <400> 30431

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 atattctgca gcaagtcaca tgagacatgc caccttattg catgcacttt cacatgcaaa 180
 aaacaaatac ctacacagtg caactagtgc taaaaaaca tacatgcttc agggtttgaa 240
 acgacaaacg gcaacacact ttcgccaaat aattcaacca ctgatgacac caaatttcct 300
 gtatcaatgt catccttcca agcctgagca agagtggacg acaccttcct ttgttgatct 360
 ccaacctccc tccccggcac gttgtcgatg gatatttgac gagccattga cattgaagaa 420
 acccccatca tggaggaata tccacctgtt gaaccttgca tgtcaactaa catggagtgc 480
 attgctacca cccccccagg gccatccgtt gcaagtttct tcattggagg cagctgctgc 540
 tgctgctgca tc 552

<210> 30432
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051c03d1
 <400> 30432

ggctactctta atcgaagttt tattgtaatc tttaccaatt gaaattttat gacaccaacc 60

catctatccc attttcaaaa attacaaaaa taatatacaa cctcaaataa ccatagactt 120
 tcaaatctct aagctatcta agaaactaaa atggttctat gcaaggtata aacctatact 180
 agagtaaaat tccttctttc tttaactaa gattttatca ctactcccaa gaaacaagca 240
 catggattag aagaaaatat gagagacca tataaccaat gtcaccaact atgatctatc 300
 ccctcttcaa tgtcttattt aggccacaaa gtctggtagc aattgtgcag caaacctctt 360
 cgggttctgc atgttgatac tctcaaatgc tgctgaattg tgagaattgg aattgttcaa 420
 ggcaccaaac tggtttggtt caccaatg 448

<210> 30433
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051c05d1
 <400> 30433

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 ttttgttaca gaagcaaata agcaagcaca acagcaaatac aaggtagtca tgtagtgagg 120
 tctttctaca tgtagtgagg caaaatggat ctgtctctat agactggaca aaaccaatgg 180
 catagagaaa cctacaaat atcatatttg acaacaacac ttaatccgtt gaggaactgg 240
 tttcagccgt ttcactctca ctaaagctag atggcatctc tgcagcagac ctttgacttt 300
 ttcttggttc caactcagca acagatgatt ggtaaacatc atattgttca agtggatcaa 360
 ctttagcccg ctttgcaacc atcattttat tttgtaagcg ccctaacttc atctgggatc 420
 acgatattgt ttttt 435

<210> 30434
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051c07d1
 <400> 30434

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 agcatgcccc aatgataat aatttaactt taaagagaac ttcattgatca tcaaccatcc 120

aaggatttaa gacgaaagga acaagtccaa ccctcgaaag tgaattagga agaaaacaca 180
 aggaaggaaa accatacaca gaagaagatt ccagagaaat tcaataatac acaatttttt 240
 tttttttatt ttcatttccc cccctctagt agtcagtggg gggaagctgc tcgtgggtgt 300
 ggctgataaa gacaacctcg taaacaaggc cagcgattcc accaccgatg agaggcccgg 360
 cccagtagat ccagtgggtg gtccagggtc agtcacgac agcaggccca aatgtcacag 420
 cggggtttat g 431

<210> 30435
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051c08d1
 <400> 30435

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 caatctcata tcctaatacc actctgataa actcaccact aaagcactca gtactcactc 120
 ctttctcaca atcataaacac tcttgaatat taactacatg gtatgcaatg gtttatgatg 180
 agaatacagt catgagaatg attccaaaaa caagggatac ccactttcca tgcacattga 240
 ttttactgt gccagagttc tcggttggtg gattagtttg agaagattct gaggtatctg 300
 gggataatgg atccttatca gctttaggag cctttgctga aggttctggt gccagagaaa 360
 gtgcctttgc tgggtgcctg gccaccgcaa agaaatccat aggaagaagc accttcccca 420
 ccttatatat agcaagatgc ttatcaatat ata 453

<210> 30436
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051c09d1
 <400> 30436

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 tttctcagtc caagtttttag aatgaaaaat gaagcaccaa gtgtttgtag tggtagtagt 120
 agtagtagta agcatacaaa actacaatgg catggtacat acatataata attgaattac 180

caattcagaa tttgatggct ctcaattcca cttgttggca acaatgtcag ccaaattccac 240
 aaccctttgg gagtagcccc actcattgtc ataccaagca atcaccttaa ccatgtcatc 300
 tcccatgacc atgggtcaacg atgagtcaac ggttgaggac acatcagtgc acctgaagtc 360
 aacagacaca agtgggtcat cacacacaga gaggattccc tggagctcat tgtctgcact 420
 ctctctgaat gctgcattca ctttttttgc aagggtcttct ttgagacctg aacaacg 477

<210> 30437
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051c12d1

<400> 30437

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 taaatgaaac aaactataag caaatttaat ctgagtcagt gtcttcccaa tcttggtgtc 120
 ttctgataac catttcccag actttatcaa aaggcctgaa gtaaaatgaa atttcatctc 180
 catggatgaa gtcattgtct gccaaaaact gataccaagg tcgaacaatg catttttcgt 240
 caatgccagg gtcattgacg ctaacgctcc attgaagggg aggggcatgt tttttgagga 300
 ttgtcatatg ttaagcacat gcatcaacat aggggtacaac agagggtaga agtgccagtg 360
 gataaggggc actgagcaca gattgagtca ctccacagt ccatacatat tttctt 416

<210> 30438
 <211> 201
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d02a1

<400> 30438

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 cagggtcaaac tgggtcttaag gggctcattg taatgctacg cacgaccgga gttcgctgc 120
 aaaagtcaca ccaacatgcc ccttaccctt aagagtgtc ctcaaagcac gtggtttggc 180
 cccgatcgtc ccaagaacct t 201

<210> 30439
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d03d1

<400> 30439

caaatacgat aaattaataa cttagatata ttatttaact taaacaaata aacccaaata 60
 caagctaaat tgggaaattc taatgtatta tggccatcta tatattctta aaaatcaact 120
 tcgccaccct tgaacaagta agcttcttcc tttacacat tattgtgtct atatatatta 180
 aagaaaaaat agatcactaa ctaaagattg aattaattct ttttgcggtgc agaattttcc 240
 tttttcaaca tttcaaacia gcttccatca taaacacttc ggattgtttc cttctgtagt 300
 aagccattct tgtctttggc aagtttgtaa aggactttcc attcaaccaa gccaccaatc 360
 cttcctttga aatctttggg ctctctatct gcttttagca tctcctttag ctcatcatat 420
 gttaaagcat ttggatgagt atgtgaatgt tttgtgaa 458

<210> 30440
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d05d1

<400> 30440

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 caaattaaaa ccacatcggt actggtacac atctgaacat caaacacaa agaaaacaga 120
 ccacaagaac aagaatctga agtagattct agtagtcttc atcctcttcc tggccctcac 180
 cagactcagc acccacttct tcataatcct tctcaagggc tgcaagggtc tcacgggctt 240
 cagaaaattc accttcttcc ataccctcac ccacgtacca gtggacaaaa gcacgcttgg 300
 catacatgag atcaaacttg tgatcaatgc ggccaaacac ttcagccaca ctggtggagt 360
 ttgaaatcat gcaaactgcc ctctgcacct tggcaagggt gcctccagga acaacggtag 420
 gtggctggta gttaatacca cacttgaaac cagtagggca ccaatccaca aactgaatgg 480
 tcctcttggg cctgatgggt gcaacagcag cgtttacatc tttgggcaca aca 533

<210> 30441
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d06d1

<400> 30441

caacaactat caaaaagcac aatgcatatt atccaaaaga ataaaacaga acaaaacaat 60
 caaattttac agcactgcct aatgcatggc ctagttcatc ttctatatac actacactct 120
 gcacaccctt ttgcattcaa acaaattcaa gagaaaaatt acaatgtata aaaaccaaca 180
 aatatgctat aatgctatgc accacgacaa cgaaaaaaaa gaaagaaagc aaatacgtaa 240
 atgctgcaaa cttgttcact cagttccatt atttgacttt aatatcgccc ttagcatccg 300
 aggaaaggtt tttggaggat ggagatttcc cagtgatagc tttctttgct ttcactagtg 360
 actgcttaac ctttgatatg atgttatttg attgcttctg agctggtttt gctggagttt 420
 cttttggaag gtccttggat gtttttggtg catcactttc cttg 464

<210> 30442
 <211> 52
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400051d07d1

<400> 30442

ggacggtgta tgccatttag nntccgattt tgnaggnent cccggaatta at 52

<210> 30443
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d08d1

<400> 30443

agctaaatta cattaacac ctttcaaagt cttaagacat aactgtccta gctctgtgaa 60
 tcagaactca aattattggc aaggtcttta tcataccaag actaatgttc caactatcaa 120
 cttatatatc acacaaaaa ccgcgcaccc aaatctcaat gctcaaactc gtgtggatct 180

ccagggttttt tccacttgaa aacttttagta ggggttcaacg ggggttacgga agttagctcc 240
 ggcgtacact gcttcagcac caagctcctc ctcaattctc aagagctggg tatatttagc 300
 aagacgctca gacctgcatg gagctccagt cttaatttga cccgtagcca aaccaacaga 360
 aaggtcagca atgaaggtat cctcagtctc tccacttctg tgactggcca tgacacccca 420
 tccagctttt ttggacatcc tgacagcttc aatactctta gtcacagaac caatttggtt 480
 gaccttgagg agaagagcat tgcattgctt agtatcaatt gccttctgaa cc 532

<210> 30444
 <211> 562
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d09d1

<400> 30444

aaaagtaatt tttttatttt tggagtatta aaacaaaat taccatatt tattggtact 60
 aaaaccatat ttaaagggat ttacaaatct ccaatgttcc cttatataat tgtcctcttt 120
 ttgaatcagg aagtcaaatt tctaggtaca tacttctctt gtgtatatat acattgtaac 180
 atatttctat gatgagtcca aatttaatgt ttcaatagca tggcttccat ttgtctcttc 240
 ctgcgagcat gttttagttt ctccaatgca acaagtccaa cttgccttac tctttctctt 300
 gacaaaccta tccgtttact aatgtcttcc catgtaagac cttctttatc caatccataa 360
 taaagtcgaa taatttctct ctctcgttcc acaaggggtca cattaatgag tttgttcact 420
 tcgtccttta gtgccactc gtctactcca ttccatggga tgttctccac tcgatcatcc 480
 gcaatataac tatgatgagt ttctccttgt ataccattca gagaggggaa tgcttctcta 540
 tcaagcgaga tagttttgct ga 562

<210> 30445
 <211> 510
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051d12d1

<400> 30445

agaactacag ttttaataaaa tttctagaaa gaaaaaactc ttgaacaatg ttcattacca 60

tgatgaaaaa acagtacaac tattgggaac aagctcgaca aaacagaatg aggaaaataa 120
 ttttagcact ctagaaaact agctcatggg gttcactcc tgccttcaag gaaaacctag 180
 cacccaagta agacttgagc tctggaacac tctcaatggc ctttaacaaa gcagtgtcca 240
 cggttttttg gtcactcttc ttttcttggg gaagcacatt tttctcctcc ttctctgcct 300
 caaagaattc gccttcgccc tttgttttct ttttcttagc ttccttgcca aagtacttgt 360
 catcaaattt atcaacattg acatcagaga tatccacctt tgtggatgta ccaataacat 420
 acgattgggt cacccttctc agaggaaccc cattgatctt aaagggacct gttacaagaa 480
 gcaatccaga tggaagctgc ttcagaaaaa 510

<210> 30446
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051e01d1
 <400> 30446

aacaaaaacc catagagcga ttgatttcat catccaaagt atggtttatt ataaagattt 60
 aagctctaca cagagctgca ttttagaatc atagttagat acacattctt cacttccact 120
 ttttgaaccc accaccatgc ttgccgaatt tgccatgctt tccatgctgc ttgaattttc 180
 catggggcat gtgagcacca tgtgcagcat attggccata ggagccatgg gagccatgag 240
 agacatgggtg agcaccataa gcagcaacag ccgcgggagc acccccgggtg agcattgctc 300
 ccatgccgcc gtgcccata gaacctgggtg catgagatga ac 342

<210> 30447
 <211> 106
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051e02d1
 <400> 30447

ggggccc aaa actggtaaaa ttccaaaaca ataaggattg gggggaaccc ccaaaaatac 60
 aacatttttt tgggaaaacc ggggggggga aaaaaaaggg ggggtgg 106

<210> 30448

<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400051e04d1

<400> 30448

ccaaaaaaa aatatgtcac attggggata tccctttttt taaaaactta ttcttggttt 60
ttcataattt attatttata caacatccca gttcttcttc ctctatagtc tttagcaaaa 120
gagaatttac acgttttaca cgtcacacta aacgacaaag gcgggggttac agaatttaga 180
aaatttagaa accctccgaa gtccgaacca aatccatcac cacctctatt atccattccc 240
tgcttgcggt cccatcggcc aatatttaca accattacac aacctcgcca c 291

<210> 30449
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400051e05d1

<400> 30449

cacgnagcac atattaagac atatttcaca ttattactag ttcataaacg aatatactaa 60
gcataaaca atccaattcc aaaatttgag aaacttgga aacaacaaca taacataaac 120
ctatcaacac cacgcgcaac ttttgattac cgttacatta atcggaactc aaccataaa 180
aatgaagcaa tatactctcc attttcta atagggacac aataacaata ataataatgg 240
gaaatgtctc cctcaatttc acaccatctc tgcaaaagga gaggtaaatt tcaagggacc 300
aaaattacag ggcagaagg gcaggtgctg atgcaataat ggcctctgac acgtcagaaa 360
cagggccagg ggcagctcct gagctcaca gttcaaccat ggcacgacga gggttggtct 420
tgggcttttc acacagttct ggcaaaaata ccccc 455

<210> 30450
<211> 550
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400051e06d1

<400> 30450

ataatgatca taaaaagagt aacacgttat tgagtcaaag aaagtgcacc acaatcaaag 60
 gtcggctgta atgtaattat ttattacata tatggagtct tgccaagatg aatatcataa 120
 ggtaaagaac tcagggtggg aaatgcatca aaaggaaaaa ccgtgaccac catcatgtga 180
 aaaataagtt catggcacct acaagatccg aaaatggcat cccaatagtc ctctgccttg 240
 ccaaggtcta ggtgtaatag ttaagttgat cactgtgcct tgccctcataa taacaactgg 300
 tactgcacaa ccagatttg actgagcctc agaagaaagc ctttggagca aattatcacc 360
 tgcttcaaca ttgccaaatt tcaaaatttg atccccaagt tgtaaaccat cctctactgc 420
 tggatgatga tctgctatct catctacat tgcaaagggt ctactaatca acacgttcac 480
 attcattgag ttgggagatc gtttcaaaag gacattttgt gatgggtgtg atgcaacagt 540
 gtccatgttt 550

<210> 30451
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400051e08d1
 <400> 30451

aattaataat tatgagggga tgactcattt agtgatgaca agagattgaa tttggtcact 60
 aacttacaat ttgcaatttg tgaccacaat gaaacttaat ggtataaaag catacaataa 120
 aagccatcaa aatcctagtt ctcaacctaa ataattgtca ttctcttcct tcacaataaa 180
 atgaaaagta acatgttttc catgtaatta gctcaaccac caagtgaaac caattttggt 240
 ctcccctagt gccacctagt ttagccacag gctgaaacaa cagcatcagg taaatgggca 300
 aatacaatag agaaagcagc aacccttatt ggctctgatg agttcacata tataggctcc 360
 aaaggaggaa tgtcaccatc tgagtttaca ctgagagctt ttccatttag taccattggt 420
 tggctatgta tatccccatc ctgtggagtt agatgggtact cctctcttgc tgtttcactt 480
 gcaagaggca gttccatcct ttttgaatga ctagaca 517

<210> 30452
 <211> 596
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051e10d1

<400> 30452

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ggcaaaaata ttattttctta ttttcaatag atgaaaaatc atctagtagc accaaaacac   60
agaacatggt ttcccaaaca atgacaatgg ctatactaca atatatgggt ttgttgtagc  120
atcaaataaa tacattccaa tcagacccaa ctttctcttt ttaagactat gtacacagat  180
aactcttcta attaaggcaa accactcaat agcagtaaga aaataaaagc atgcacacaa  240
gtgcaattaa ctcttatcat tgggacatca acatggcctc tccacagagt cttattagca  300
ttccacccca cattgtttga gcaactggacc agtttgcttg ggcaagaagg gatcaatcct  360
gacccaaatc aatgagaaaa tagatgctag aaggattgac cacaacacta caatggtagg  420
agtcctgttt tgctttccca tgagaccttt gaggaagggt tacaagtga caatgaccca  480
gaaggcaaag aacagcttcc caaacaagg tcccatgaa ccatatccat tgttgatggc  540
atcagagact tcggccacga ctcccacgat gttcaagata tgagagtagt tgaggg      596

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<210> 30453

<211> 561

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400051f02d1

<400> 30453

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gatgaattga tatecttttt tttttttttg ctcttggctc atgaaatcaa gggattgaag   60
taagccctga gaattttgca ggattgaaaa ggtgaaaata ataagtctat cttgctaaac  120
aattgcaaaa tgagaacgtg gtggcctaag gaacatggat tctgacctta tgacatgact  180
ctgctattaa tatgagctgc aataaggggt ccaatattcc cctccagaac ataatttagg  240
tctggcacct caacgcctgt cttacatca tgtactaact tgtgcggatg agagacatac  300
ctccgaatth cttcttgcca taaattgaca atgttttctt tttgtatact tttatactt  360
gcaactcctt gttcctttgt tgtcactaga agtttagctt tcagtctgtt tagtgctttc  420
atcttatttg caaagtggct tctctcacct caagctgaga agattcattt ggagaacctc  480
ttatcaagta gtgaactcct tttcccctg aaagatagcc atatgcacac tcaaattcaa  540
actctataat agcaagaatt a      561

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<210> 30454
 <211> 297
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051f03d1

<400> 30454

caaaagtcta tatattgcaa tattacaggg gtcacatgg gatcagttct tgaaaggcca 60
 acccaagaac agatcttaac cataacagga tacaatagg gaaattatgc attgcaaacc 120
 aatgggtgttt ttgtgtcaca aacacatgaa taaaactact caacaatagc ataaaaatga 180
 agtagatgac tcaaataggc catcactcaa aaataagaat gactcaaagt tgatgaggtg 240
 cagtgcacca ttcagataga ggcttcacta caatgggaaa aatatgattg agaaaaa 297

<210> 30455
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051f06d1

<400> 30455

ggcattctag tccttcaaata aaataagcag ctgggtgtcc tcattcattt gccgaagttg 60
 gtttacaacc atctcctggg atgatctcat gtcataattg agtctagatt taccttggca 120
 atgtctgttg aaaaagtcca ggtcttcttt tattgccatg tatccataga gctgtcgccg 180
 gccaccaggg agaaataatc tacggtgggtg actaaaccaa gcatctcggt cagttccttg 240
 ttctgcaaag tgcttgtgta gacgctcagc ctcaagataa cctatagctg atgcttcaaa 300
 tatcaaaacg ctcaaccccc gatgaccctg gggggcataa gcgtgtcgag ctttcacagc 360
 atcatatgcg ctaaaataat taagaagctc ctggttacctg atacctagcc acttatcatt 420
 ttcatcctgt tcaagccttg tattctgaat gacaaccatc ggaggccaaa ctatttcattg 480
 atctttctcc tcattcttta accttttcac tt 512

<210> 30456
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051f08d1

<400> 30456

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atatacctgga ttatttgatt cacactgtat atataattac atgaagccaa aactatcttt 60
caaggagaga gatgagaagt acaataatg caaaaaatga cagggaaaaa acatagaaag 120
tgaagacatg ttaattgggtc ttattttccc tattagcagc ttatcctttt ttatttgctc 180
caagaaaatc ttgttattag ccttgatggt acacactccc tttggaaatt atattttctt 240
tacatgtttc cccctcttcc tctttaagcg aagattgtgt attagtcttc ttctcaacac 300
ttgggaagat cacttgaggg tggaagtaga gattcatttg gtcctttacc attgtccacc 360
acaaatgcc a tcttcaatcc ccatgttgaa tgaatttcca aatggcaatg cataaaccaa 420
acacctggat tatcagctct tgaatctgat agcagtcctc cccccagagg gaacaccaac 480
tgtgtttttc ttcccaggat cccacaga 508

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<210> 30457

<211> 513

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400051f12d1

<400> 30457

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actccaacag ttcagataaa gctccatagc tgctctctct aggtcaatta tggaagcttc 120
acttgaaatc atagccctta tttcttataa actatatata cttctaataa ctaattcaaa 180
ttaatagagt atttgagctg tttatttgga aggaagagcc cccaaaactt ctcatctct 240
ggctgcttct gattttcttc aaacatggca aacacataag tttcaagggg tctaccaggc 300
ctttttggtg ttccttgctt cacattccga accaagtttg tgttgtaagt tcttgcat 360
tcaagtgaag ttgcagttcc accagaagaa ggccatccac tctcagacac aactatgttc 420
agtgaccatc ctccagattt ctccaacgca gcataaacag catcaaccat agcatcaaaa 480
ggttacggta cncaagtga ccatcttgca cta 513

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<210> 30458

<211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051g02d1

<400> 30458

gagtaatcat atttttcttt ttatcaaagt tccaagagtt tcgaacatga tgggtgcacgt 60
 tgaagtccaa gattcgtaat tgattggcta gaagttcatt aagtagaaaa ggtacaagta 120
 ataatcatca ttaaaaatag tgtccaagac tatataaacc acaaacacaa tttagacaaa 180
 ttaatgttgg atccttgggt tactgtagca tgtgtggcaa gatgatctta gtaggagtaa 240
 cctttgacga acattccccg agtggcttcc tcagattcac cctcggcagt gtactttcca 300
 agctgagcga gtgagttgga cttggcacgg aaaaggagtg catcttgagc agccttcacg 360
 ttctcagga gtccaccca tgtcttaagc aggtgttttg gagagctctg gcgtaggaga 420
 aggacacgtg ccatgggttt ggagactggg tcatagcatt caagttcaag gttgcttcaa 480
 cctcagattg tccgccagac agaaacatga ttccaggac agcaggtggg at 532

<210> 30459
 <211> 441
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051g05d1

<400> 30459

agatggcaac tgaatgttgt ccaatacagt ttctaaagtg gctgcaacat cccgcaggta 60
 aaaactaaaa cagaagcatt ctaacacata catatgtcca aaaatcaatt acaagccaat 120
 tttcttaaag gaagaaaaca cagtcacgga cacttagcag tatttgcta tatcccaatt 180
 aatgctacta ccagcagaaa acctaccctc cctaacaacc ccatctattg aataaaaaaa 240
 ggaatctgaa aaacaaaaac accaaccgca gccaccaatc atcttcatct ttccaaccac 300
 caactcaagc acgctcacca cgaatccttc ttgccagctg aatatccttg ggcataatgg 360
 ttacacgctt ggcgtgaatg gcacacaggt tagtgtcctc aaagagccca acaaggtatg 420
 cctcagcagc ttcttgcaat g 441

<210> 30460

<211> 506
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400051g07d1

<400> 30460

aataatataa ataatcaagc tcaaccctgt ggtatggtct atccagtga cgaattttac 60
taacaatgtg aattttcaca actctgcaag taccttgtgc ggttgtgcct agaactaagc 120
atacttgaaa cgacttcttt gttgtctgga acatcttgtg attgtacggt agataaaaac 180
tctaattccag atccagagtc ttcttcaaac ttcatagac cacataagta atgcttgcag 240
ctggcacaac tttagaggaga ttgggaaaga gtcccttgta gaaacctata aagccttcaa 300
gctgaaaagt tctccgaaag gcatcaaaca ttcccttgta agcatcggaa gtgttggaag 360
gttgtgcctg cagtcttgtt cgaataacct gcaatggata gacacaagta gctccaacag 420
ccccagaaat tgtcccacat cctagttgta ctaaaggacc aggttcacta tctgaagaa 480
tatatctctt ggatatatct ttcattg 506

<210> 30461
<211> 499
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400051g10d1

<400> 30461

atgtgggatt tcaaattaat ttattcagg gtacttgcaa taactatcga taaccgtggg 60
taatatttgt agctagacta gctagcatag agaattacag cataaaagca taaacatggg 120
cttagcagtt tctctctcca taacattata catcatgtaa attatttaca tacacactat 180
actggtgccc ctaccatggt taggcatcca tcttatatt taatgggttag aaacatgtat 240
agcagctaca gttgagacca tcgagtcac ccacatata ttgcgacctc tgcagatctt 300
gtaatatact tcttctcccc agctctcccc ccatgaattc ttatgatcc agtaaggctt 360
ttcttaaaa cgaattggag cataagcacc agatccatag cccacaaaaa gaaccccatg 420
atccaaatgc ttgccgcaga tgtatgggca tgagacgcca ccaatatatg tctgcataaa 480
aactgcattg ataccaact 499

<210> 30462
 <211> 470
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051g11d1

<400> 30462

acgcaagaat aattgctatt tgacatttgg tataccttca ctgcatatta catagtactt 60
 tatatatcat ccaatatcca tactgcttta tttctgaaat gatttggagg agcgtttatg 120
 cactttgcta agcatttatg ataccttgct ccaaattggac acgggacacc actttatatt 180
 tatttttcca acttattcgt atttaagaaa actacattga aactcaacct tatgctcgta 240
 attaaaaccc atttccaagc ataaaccact gctgcatgtc gtgtcggcat ttggactgct 300
 agctgttgac ttattatttg atgagaatgc atcttatggg tgatccctca gcaccagcca 360
 acctaaaggg taagcaatgg accgtatata ttctgtgtgc cacatcatca agcttcaagc 420
 cttccacgag aatgatttcc ctgcctttca gaaaaacaag gtgagctgga 470

<210> 30463
 <211> 487
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051h01d1

<400> 30463

gaaactgaag taaatctgat atatacgtta tagacgttta taatcatggg cactgtggat 60
 tgttcccagg ccaccgtag tagaagtagg tgccccatc gttgctgtag tagctcttaa 120
 tgtcgtaaca gtttgtatct tcggctaagg ttgagatgcc ctgcacagaa ctcagattgt 180
 tatccgtgtc tacgggtctga aggttccgga agtagcttgc ttttccgaaa ccatcttctg 240
 cgaagtgtcc agagcccatt tgggttaaagg tgtgttgccc gttgggtcgt gagttcacia 300
 cctctcctcc ccactccacc atcgtggcgt ggtctgctaa gtgtgtgaat agctctgcgg 360
 gccaatacc taccaatgtg ttgtcaccaa aactcatcca ccaattcccc acttttggat 420
 ccttccaatg aggattgtga tgtcatattg gttgccatca taagaagaga caggagaaat 480
 ggcagct 487

<210> 30464
 <211> 545
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051h03d1

<400> 30464

cttaagcatg tatattgaaa ttctcgatat agatgctcat agttatttgc acaaaactgg 60
 taaaattcca gatcaataag gattgcggcg aagccgcaaa gatacaacat tcattagggg 120
 aaacaggagt ggggaaaaat aaggggggag gggttgagga agaatcaatt gctcacagag 180
 catgctaaga cacctaaata ttccacacac agttattgaa acaacccaat atagagaaaa 240
 tttttctttg gtgtattata atataaagca gaaccaaagc acttggaaga ttctactttc 300
 ttataccatt cacttggtgca gttcgttgcg gatgagtttt gctgcggcaa ccatgtttgt 360
 gagggctggc ttcacctcag tgtacttacg ggtcttgagc ccacagtcag gggtcaccca 420
 caagatgttc ttctcgagca ctgccagcat cttgttgatt ctgtcagcaa tttcttcagt 480
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 cacac 545

<210> 30465
 <211> 441
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400051h04d1

<400> 30465

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 gcataaatct tgagagaaca tttttttttg tttcatcata taaaatatat atgttctgaa 120
 agaacacata caagtacaca aaaaaaaggg ggaaattcat aaaaaaatac agaaaaaaaa 180
 aaaaacagaa ttgagtaaga gggaaggaaa catagagaaa attttagcaa tcagataata 240
 agaagccagt agtagtgcaa aagtcccttg ccaagagtgt tggaaccctt ttaggttaag 300
 caggtaacctt ctcccccttg agtggcttca ccacttccca tgtgaagtca gggcatctc 360
 tgccaaagtg tccatatgca gcagtcttca agaacctgcc atttccaccc cttttgagat 420

caaggttgat ggagatcatg c

441

<210> 30466
<211> 421
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400051h05d1

<400> 30466

aactaacacc agcacacaca caccttaaat cctgaattaa ggtaaaaaga gtgcactgta 60
caaaaaaggg ggaatggaaa agaaggtagc aaattctatt tcccctaaat ggaatctgaa 120
agggtcttgc ctgataagcc tatcgtgata tacatttgga atattatcag ggctgccaga 180
aagttgagat tgatagctag caacttctca gtgacttgca ctttaagttca gattctgaac 240
aaccagaaat ggttcaaatt tacaactgac gggagatgaa agggcaactg aaataaacia 300
gaaggcagtg ctttctgat tgctgctaag agtgtgcttg agcatgctca ggtttgtgac 360
tgtactcata atcaagatga acaaaagcac gctcaatctc gggcaaaagc tcaagctttt 420
t 421

<210> 30467
<211> 576
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmst02400051h10d1

<400> 30467

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agtgcagtat gggagaaaaa taaaatcagg gggctctggg gaaaactttt tcctctaaaa 120
atttgatgaa acgttcatca taaatcttgg gttcaactac tgatattgtc ataggggtcaa 180
attgcagcga tttgtatgca tgctcaattt tctttctcag attatagttc tgcaatatat 240
caattacgcc catgtagagg acaacatcat atacctcaaa aagctctact tcttttgcct 300
ccaccttatc cttatcctcc tgaagcctgc gagtagcttg agctggcatg ttactccaa 360
gctgcacccg caaccttgca ataccgggaa gtagaagatc aacttcatta tcacccatgg 420
agtatgctct caatgtgttc cctctaattg ggggtccagg agccgtgttg actatactcg 480

gttcatggga aactaacagc aagcctttat gaagaatcaa gagctgccct tcatctncag 540
aaggtaaact cttctgacgc tgcactgatt catgat 576

<210> 30468
<211> 428
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400051h11d1

<400> 30468

cttaagcatg ttatttgaaa atctcgatat agatgctcat agttatttgc acaaaactgg 60
taaaattcca gatcaataag gattgcgggc aagccgcaa gatacaacat tcattaggga 120
aaacaggagt ggggaaaaat aaggggggag gggttgagga agaatacaatt gctcacagag 180
catgctaaga cacctaaata ttccacacac agttattgaa acaaccaat atagagaaaa 240
tttttctttg gtgtattata atataaagca gaaccaaag acttggaaga ttctactttc 300
ttataaccatt cacttgga gttcgttgcg gatgagtttt gctgcgga ccatgtttgt 360
gagggctggc ttcacctcag tgtacttacg ggtcttgagc ccacagtcag ggttcaccca 420
caagatgt 428

<210> 30469
<211> 393
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400052a01d1

<400> 30469

aaccaattcc aacctggta atatcaattt tttaaaaaat ccaacattgg cctgaatagg 60
ctaattttgg ggtccaaact aacaaacttt tggaattccc ccctggatag gggcctccat 120
cactggataa gaaaaaacg gggggccggg ggctttcaac attcaagagg gggggccaag 180
ggatcaaaac tccctttggt gggattatac attttacagg gttaacaggg aggggcattt 240
aacttttggg taaacgaaag cttttgtttt tgctcccccc acgaaaattt ttcccggggg 300
caattaacaa cgccctgggt catcataatt aaaagggggc ccccttttaa actgggaatg 360
ggcactcttt tggcctgtat tgaggggggt ttt 393

aatatccatg tctcatgatc accaactttt t

511

<210> 30472
 <211> 520
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400052a04d1
 <400> 30472

gaagaattcc cattttttgt ctgataacac aaacagttac aaattcaact agtaagggat 60
 aagacgacta aaatggcact caaacgcaag gtcgtataaa tcacaaatca taataaaaca 120
 cactggaaca agcaaagctt gttaaaaggt gcaatagaat ttatgccaca acttggaaaa 180
 ttgagagttt gggaccataa ctacccaagt tgaccatccc acaaactagg atattttcca 240
 tgagtaacta aggcttaagg agtgctgctc ccaccagaaa gcctactatt ttctataatc 300
 atttttagttg gcccggtttt tgaacacatc aagaccatc tcagtaggat cagttgcttg 360
 cagctctact tgaattccat ccagctccct cttgaatctg tctttggagc ttgcatagat 420
 catcttgctc ctcaccttga tgtgtcaggg gaccatgcaa tgaaaaaaat tctgctttta 480
 aggacatatc ccttagtcag atactcaaat cataaacagc 520

<210> 30473
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400052a11a1
 <400> 30473

cctcggggaa ttccaattcc acattttcaa gaaataagga ggcaaaaatg ttcatatatg 60
 aattggaatt atttgttttc ttattaggcc tatcctgaag ccaaaggaaa tgagatcgga 120
 attcctgggg gaattgcaat ttcacatttt caagaaataa ggaggcaaaa atgttcatat 180
 atgaattgga attatttggt atcttattag gcctatcctg aagccaaagg aaatgagatc 240
 ggaattcctc ggggaatttc aattgcacat tttcaagaca taaggaggca aaaatgttca 300
 tatatgaatt ggaatcattt ggtcacctat taggcctatc ctgaagccaa aggaaatgag 360
 atcggaattc ctagggggta ccgagc 386

<210> 30474
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052b01d1

<400> 30474

gagagagaga atacgaagca cactgtggac aggatgatgc tctctttaag tagggaagca 60
 gatcttatca gtacacatag gtaggttgaa attctagctc tagcaatcta gctagagaag 120
 gtagtacttg cacaacacac agcacatgat aatttatctt atacacaatc tcattctcat 180
 ggtgctcaag atgcatggac taattaagca acaatgttgg tctgataggc agtggtccaca 240
 gataaattgg gtaccataa aatggccttg cttccaagga aatggcaaac aggggttagtt 300
 ccaggatcaa ctcccataag ttgatgaagc atttgatgat tcattccaga agtatttgag 360
 tggcaaatag caagtgcctg agttttggtt ccatcaccag ccaccaatgg aaccatgaaa 420
 gctgttggtt cacggacttc atggccagta aatactgcag ttctgaaatt t 471

<210> 30475
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052b03d1

<400> 30475

atatggaagc tttatgattc gtctttaagg attaaagagt gatttcctca gcttgaatta 60
 tgcagagagg cctcacttgg agtatataca aagaacacca aagcaaccac cttgggtggg 120
 gacatgatgc acaatcatga ttgaaaaggc taggaatata attattaaca aatttctcaa 180
 atgtatggat taatatgaga cgagtagtca cggattcctg ctcttccca tcccatccac 240
 tctcccaca tgtcccaatc tggatcggtc attcccctca gtggctcatc gatgcctcca 300
 gcatcataat aagcctcata cgattctgcc tcatttgatt ctctctcaa tttggacatc 360
 acaacatcat aagcctcggt gatttcgtga aactgcaccc cacaattgct ccctctgcac 420
 acatctggat ggtactgcaa agcgagctgt ctgaaagcct tcttaacc 468

<210> 30476
 <211> 519
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052b05d1

<400> 30476

atctgattaa attatcaaac aataatatgt gtacgaccta agttattaaa atcagtattc 60
 tcaaaagata agaaaaagga tcgatccaca cacttccgtg agaataact gattaatggt 120
 caaatgtttt ataatccaat tgtatgaaag gtattattgc atgttgcaat aatactccaa 180
 gaagtagtct tactcataca tgtccatggc aactggagct tttacacttt ttgcaaagaa 240
 cggaacgcag catcttcttc aacctttctt cctcttctt cctcttctt tcggcctctt 300
 ccttcttctt cttctctctc tcgtccttct tcttcttcgc ctctctctct ttaactaggt 360
 ctaccacggt gagaatcgtc acggagctga acttcttctt cagctgggtg gccaaagcaa 420
 ccatgtccac gttcacaccg ctcacgccca cgcgatcatt gtcgtcccct tccgggacac 480
 cgtagttaca cctcgtactt ctgctgcaat tttagggct 519

<210> 30477
 <211> 537
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052c01d1

<400> 30477

gggtaaaact gtgaaggcat tttatgaaac tgtcaaacia ttacaagctg ttcagttttt 60
 catgttttaa gaatacaaga tttgatttag atacatatat actatatgag tatcacaaaa 120
 aatttaaaga gacacactct caagtaccac tttatcaatt cttaatgcta atcttgagtc 180
 gatcattggc cccaggcagc tatattcagt ggccaagctc cacttctcca agcttttttt 240
 tcttcaaaat taccctgata ttcaagttga taaaaaacia cgaagggtta cggtgcactc 300
 atatcatctg ggggtacttg tagaaagaaa taaccaatgg cacgatgagc ttatgggttc 360
 catggcgctg gaggtggtgg cggtgtacga aacattgggg gaacagcaga gaaaatggta 420
 tttttgtcaa tagatgtgcc tttgtcgctt gacaatgcca ctagtgcagc aactaaaccg 480
 gcattttcag caagtgggtg ctctgtgtaa ttgtaggttg tacgaacatc atggaag 537

<210> 30478
 <211> 470
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052c03d1

<400> 30478

acatgaccat attcaaattt acattgcaac caaggaatgt atatataaaa ataacaaaat 60
 cgcccataac gtacatatat accagatata aattttttcac gacatatgat attacaaatg 120
 actaaaactt ctagataaca acgaacaaaa gctatataat gaattccac actaccacgc 180
 agttcaaaat tattgcatac caataatttc aagaaccctt attaactttc actttcaaag 240
 ggattggtac aacaatatca tatgctaata aatataatct taagatgaag aagcagggtt 300
 ggaagatggg ttgaaaggaa cctgctcagc gcatgtaagg atttcatggg gccagcctg 360
 ttctcgacca acacctagaa ggtcaagata atactggtaa tgggaaacga tattgttcat 420
 cgagtccaca tcaccttgct cacaacacc atcccatag agaatgttca 470

<210> 30479
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052d01d1

<400> 30479

aaaagagtaa tatataactt gtttatttca atcatatata aattcatgat agagatacaa 60
 acatctcaat taatgctcta ataatccact catatgtata tatatatata agacaagact 120
 ggactatcat atcaatatat atagcataat agttagtcca aatattcttc attggtatat 180
 ccagccacac gatcgtccta tatatatcca agtttatgct gcgaacactc ccacaaagac 240
 aagaccaaga acaagagaca cccacattcc acttacacca attcttacac caccagaggt 300
 cacagtagga acaacctgcg tcgaggactc cgaggattgt tccggttag gcgacggctt 360
 ctcttttca ggtttaggcg cctccgccac atcattcgcg gaggtcaccg gcgccggctt 420
 taaaacgggt gcgggagcca gtggcttctg gtagtagcaa cacactca 468

<210> 30480
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052d03d1

<400> 30480

atattacctc caaacatttt tttatagttc atacagtaca aggaattgtc tgcgtctctg 60
 aacctttctt tgaggttcat catacattac aaaaagaaaa ctgaagtaaa atagttcata 120
 gtctaggtat aaacagttta taataaatta cacgaaccaa aaagaatcct ttagaaaata 180
 tagtgaaaaa gaatcgcagg aaatgtcgtc gtgatggcaa caagcgcccc ccctcaattt 240
 tgagggcact aatgaaaggt ggcacaaata aggccttttc aaaatcctct agccacaact 300
 ctatgtttta ttaatatctt cgtcaccccc acggccttgca ttcagatata atcaccatac 360
 atcgcgcaaa tatctgccag tagttttag attctttacc atgctctcag ccttggaact 420
 atcgagagaa ccctgctctt gcaaaattgt gtgcagggcg cgggtgtacat ccctggccat 480
 gcccttgga tcaccacaca cataaatgta actccttggtg atatcatgct ccaaattttt 540
 gaagcc 546

<210> 30481
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400052d04d1

<400> 30481

ttccttcacn nnagtttttt tttcaaccga tatatacccc caacacaana agaataaagg 60
 aaacgaaatt aataaataaa aaaccaagct tttcaacatg acatgcaaaa tggtagacct 120
 aatgatcccc acaactagga ccatttctaa acctgttttt ctcaactaca ctgtccataa 180
 gtctaagctt cagttttctc aacaggaacc tctactgggg ctccactgt ctgagctggt 240
 ttgttctctt cctctgtggt tgctgctggt gctgattctg tttctgtttc agaagctcct 300
 ttaggtctct ctgcttcttc tttcacttct tcagtttttc tctctgatt tccctcagc 360
 tgctggcttc tcttctctg tctcctttgt caccaccctc cttggactca actgccacct 420

tttttaggct cctctggctt ggccaccttc tg

452

<210> 30482
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400052e01d1
 <400> 30482

gtataaaata ttttatatcg ttgtattcaa tggatgactt ctttacatta actgttccaa 60
 atatctttac agccttaaaa ttctaatagat agcttcaatt ttttccaaaa atgattgaat 120
 aagattaagt taaggttcaa catctaactt tatgcgcgatg gcccgaaatcc atatttcatt 180
 cgacaactta ggaaactcaa gatattttcc taatcaatca acattgtttc cccatttgta 240
 gtctgaattg tggccttggt gctctgtagg cttaagtgtt tcttcatttc ctgagacctg 300
 acaaactcct caattcttgc ttttagctca tcgtcgggaa tcaacatata cgcggttaaga 360
 tgagaacggt tgaatggatt agtactatca ctaagaagat gcctctgaat gacaggacga 420
 tcaaccgtga tccttgaaaa aggcaagata actggatcct tatcaatgtg tattgaattg 480
 gatcaaggaa tt 492

<210> 30483
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400052e02d1
 <400> 30483

gttcaaagat ttcttcaaata gcaacctttc caacaattaa caaggcatta caatgaagtc 60
 aaattccaag taatgtaaca cctaacaact gctatataaa tgaaaaactg tacacataaa 120
 aggaaaaata tagagaaatt aagcataaca agaaccaatt gccctgaggg tagtagcaga 180
 tccaagcaag ggatgatttc aatagcatca tcaaatcaag cttttccaac tcttagagta 240
 agctccaaat catccattcc aacctcgtgt attctctcac cctcccaggg tttcactctg 300
 ccattctcga agtcaaaatc ggagcctcct ctgcctctct cggcaacaga accccactgc 360
 atgccttcct gggcagcgat ctgctgcac gcgggcttca tgaagttaaa ggtaggcgaa 420

ggaagagcag ccgccgcgc agccaccatc gtcgtctgaa cctggaaact aaccagcgg 480
 cccgaggcgg 490

<210> 30484
 <211> 473
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052e03d1

<400> 30484

gtctcaaagg aatacatcac attatagtta ctactataag taataatatt gttccatttt 60
 catcccagac acaacttgaa taactagaca ccaatcacag aagatataac atgaatgaag 120
 acatatctgc tatgaactag tgtataacta acagtgcacac atgcaacagt ttcattgtgca 180
 tagtaaggat gaagagcaat gctagatcat ctggtggtaa tctgtctgtc tggattttca 240
 tgttcagcta cctcctctc ctcttgacaa atccatccaa gggtcacagc caagtcttcc 300
 actggcacct tgatcacatc acttctgaca ccaatatcag ttgcatactt gctcatgcag 360
 tacattcctg cagttacagt agcaacacca acaggacttg gcattaacaa cttgagagga 420
 gaagagatca ttgcagccaa tggagcacca ataacagaag aagcttgggc act 473

<210> 30485
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052e04d1

<400> 30485

agaatacctt tttaatccat ccaaacaagt tcaaaacata cataacacat aaaaatgtag 60
 aaatccggat accgccattc aagcatgaaa atatctcaat tataacaatat tctaaaggag 120
 attttttttg gtggtaaaat aataagtgtc aaaagtctag ccaacacggg agagacacat 180
 gaacgtctct acttaaaaaa ctaccaatta atggtaagga tagagaaaat ttcactcgag 240
 aattttcatg cacatattct agggtagcgt cttgattgca acaacattat gtgcttggag 300
 cagcctcttt ttctcggtc gacccctcgc ctgcattctg ttcaacaggc tttgacactt 360
 cttgtcttc atcgctactc tcataatgt catccattgc atcaccatc ccaccaaatt 420

tagagaaatc catccccccc atgcctccca ttgcatccat ccttcccatt gcatcagcac 480
ccatcccccc aaatttcgag aaatcca 507

<210> 30486
<211> 541
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400052e05d1

<400> 30486

aaacagtata cagcatctac catgtgctta catatgccat ttgatgagga aaagaacatt 60
ccttaaagtt caacaatcaa caatgctaaa aactaatatc aaccccatca attcattcat 120
ctttcggttaa tctctctctt tcttctctct taccatcatt taacttgta tcagatgaga 180
catgttcggt ggcttggtcc aaatcctctt ccttggtctt ttcactaatt tcttccacgg 240
acttgtaagt gtaaaaccaa gcacatataa aataataaac gagattcaca acttgaatcc 300
cactaacaag aaaataatag tagtccaatc caccctatt gaggttccta tccggaagcc 360
aattattctc cttgccagtg tacttatgca ccaatgacac cagcaatgta cccatgtagt 420
tccaatggc tgtggttatg cagtacagtg ctgtagcact gcttctcatg ctttcaggtg 480
attgctcaag agaaattcca atgccacag acatgaaaat tcagccaccc atgaggcaat 540
c 541

<210> 30487
<211> 448
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400052f01d1

<400> 30487

agggtcaaaca atgggtcaaaa tatatattgc cattccgttt ggggtctgtaa caaaagcagc 60
gaagcataaa aacaatgcat ccaaattaaa acccacaacg gtactgggtac atttgaacat 120
caaacacaac aacagaaaaa gaccaccaga acaagaatct gaagtagatt ctagtagtct 180
tcgtcctcat gctggcctc accagactca gcacccactt cttcataatc cttctcgagg 240
gctgcaagat cctcagggg ttctgaaaat tcacctttt ccataccctc acccagctac 300

caatggacga aggcacgctt ggcatacatg agatcaaact tgtgggtcaat gcgaccaaac 360
 acctcagcca cactgggtgga gtttgaaatc atgcaaactg ccctctgcac cttggcaaga 420
 tcaccttcag gaacaacagt agggggct 448

<210> 30488
 <211> 546
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052f04d1

<400> 30488

aagaattatt cattatgaat tacttttccc caaacgagat taatcaaaga ttcggcggtta 60
 atacttactc ggcaattgaa gttacagtta cacgtaactg tacacattga tgagcaagac 120
 cttaacatac aatgcggaca tatttatagt tattacaaca taattgcaaa actaatgtga 180
 ataaaaccac tctaggaatt tgatcttctg aagaatcaac ttccctcaaa gcttaagttt 240
 gcataaactt tggaatgggt taacacttta acatcatctc taacagatct aaacgaattc 300
 cgtgcttggtg cagtagagca caaacatgaa agagtgtaaa tatagaggct cctaccaaac 360
 taagtgatag taatgtatat ctacgcaagg atgcaacttg acagaaaaga atgttgcttc 420
 aacaaccatt ttgtcactga attgctactc taagatcttc agacagcttt tctgcttttg 480
 caatagcctc tgacaaacca aaaagctttt actttggcat acaaccaaag tgatatgact 540
 tacaga 546

<210> 30489
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052f05d1

<400> 30489

aaaaaaaacc ttccacatt tgactcctcc ttataacaa agtcatagga cagcatagaa 60
 aaccagaaaa aatgtgatat agtttctgtg accacatcca taaacaccat tgttaagact 120
 agtctgacta gaatctataa gccataagcc aggtcttgaa caaaccaata taaaggctta 180
 caaaaggatc tttgcttaaa tagaaacaac aggctgccag caccaaaagc tagttctttg 240

gcccgaatc cttcagggcg caaatctgtt cctcacccat agcagacatg acagacacaa 300
 caagatcctt gccctcagca aatccatcct ttatctgagt gagcagactc tcatcagtgg 360
 gaagcttgag gtcacccctg gtgttcccat tttcagtaag cagactcaaa aatccatcct 420
 cagcaatc atgagctgg taatcagtac gattcacatg aggaacatca cagttgtgag 480
 aagagggcac aatat 495

<210> 30490
 <211> 394
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052g02d1

<400> 30490

gtactattaa acaaatttat ttagccccgc cgctgaatg atttttgggtt ctcacaagta 60
 atacaaaact tgggaatcaa aaacctttgg aataccaatc ccaagttccc acctggagt 120
 aaccaaccct tcccctgggt gacaaatccc cctcaaaagc ctcacagaa gcttatagct 180
 tcttcattgg ggggaaaaaa gactaatata gaatttcctt tcacagcagt aactagactt 240
 gcttggaaga agggctcctg agttcctgag ggagaatc cttcccccta ataaaggtag 300
 gatccttcaa gaacgtatcc ttgggtagga ctttctcatc atcaggccaa tttttaaggg 360
 ctttttgaag ctggttaacc ctttgctcga catg 394

<210> 30491
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052g03d1

<400> 30491

gagaatctta taagtcagaa tgacatatac cagctactag tgtacaaaag aaaacaagga 60
 gaggtgtctt acctcaaaat gcaaatttgt accagtggaa aacaacagtc tacatagttc 120
 atgatgggtg tttcccttgt ttttacaatt ccaaaatc atgattaaat ggaactctac 180
 tttccttttc ttcaactatt acatcttcaa gaccaagctg acggttggtg catcaatttc 240
 accaaaatta acttcatact tttgtaccca ggaaggactt tatgcctgct ggagagtttc 300

ctggcttagt agtagtagta cttccaaagt tgagctttgc ttttttatca gctggcttta 360
 atatttgga agagcacatt agtgtctcat caacactcat tatagcgcca gcattgtcaa 420
 actctccaca ataatta 437

<210> 30492
 <211> 528
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052g05d1

<400> 30492

gcatataatt ggaggaagca acctttatga gcattatcat ccgcaccatt catttacata 60
 aaccctatth tctacatgga ttagttacac agtcttgcca agtctttact aacttaaaag 120
 tttttctagt cacaaccacc acatgccccca caatgtcaca acccataaaa caaggctact 180
 caaaagcaaa ttttttgaag aagtaaagct caatttaatc agaatcagat gattctgac 240
 tctgttcctc agaggetgca ttatctcctt tcaagttagc ctctccctgc ttgaatgcct 300
 tggctatctc ttcaatggga atcaaaggta gataccaac gaaactgtaa cccttttgag 360
 tcatggcctt gatcacatga ttgtacttct ctgaccagtg agcaacagtg ggaattgcca 420
 tctctgacag tgcattggaat ggtggatagt gggttgagtc cattccacaa ctttactgaa 480
 tttatcaaca caaatgctt tgattctgta gcaacataat gaacagct 528

<210> 30493
 <211> 560
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052h01d1

<400> 30493

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 aattcaaadc ataagcagag acaaaacaga aaagaaaagg tatataattt gaaacttaat 120
 ttaagcatca acaatttcct cagtgtccgc agaagccaaa ataagctggg gttcttcct 180
 tccaactcca caggttccat caattgcatt gttcctaccc aaagccttca acgccaaatg 240
 agccgccttc tgccctgata tcatcatcgc cccaaacgtc ggacccattc tcggggagcc 300

atcaatttct gcaacctcca tgccagtgc aatcatgccca ggcacaatct ccctagtgcg 360
 cctgacaata gcgtcctcag cagcattcat atccaaagcc ttcattccag gaacgctatc 420
 aatcatccca atactcttca acctcttaac cccagtggcg ccaaagggtc catcgtgccc 480
 acaagagctc accacaacct tcgccttcat cacgttgggg tccatgcatg actgcgtgctc 540
 atgggtcatc gaaaccagag 560

<210> 30494
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052h02d1

<400> 30494

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 gttttccacg agacgagaag agacacgcaa ctgcataagt atcacaaaag attacagaag 120
 aaaaggaaca ttctcttctc aactatatcc tatttggtgc tgttgctgag gtggttggtgta 180
 accaggatac cccggataac tgccatacat gttgggatcc tgtccagcag caggagcata 240
 ccataatctt tcataacctt gtgcagcata cccatagtat ccaccaccag aaccagcacc 300
 accattccac tggtttggtg ctgcctgagc ctgtttgttt gaaggactgc ggcccatga 360
 aagacgaaca ttttgaccac ccaacagggt cccattcaac acccgaagtg cctcttcggc 420
 acagctcctg tctgcaatt ggacaaaccc acatcgcttg cctgctggaa tcttcacatg 480
 cactaattct ccatactggc tgaaaacttg cctcagatga tcatcagtga cattaggatc 540
 caaattacca ac 552

<210> 30495
 <211> 493
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400052h05d1

<400> 30495

attcaagaga aacaactgtg cattacattt gatactgctc tcaggactat caagaacaaa 60
 gagcatcatc atacagttga cgaagggtgac tgcaaagggt atgtcaagac agccaatttt 120

tcagcaaaaa aaccagaaat aaaactgata acttcccatt gaacacaaga aacaaatgct 180
 ttttactcat gagaacaac gagcacttgt tttccaacat tgcgaccgct aaaaaggcca 240
 accaatgctg aaggtccatt ctcaagcccc tcagctatgt cttccacata cacaaccttc 300
 ccctctctga tatttggcag gagaaactcc aagaacttgg gatatagggtg aacgaaatcc 360
 atgaagttaa agccttgcaa acgaatccgc ttatatatga tctgtgcaa atttgttaca 420
 ccttcatgtt gagtaagatt atactgtgag atcattccca gacgggtatg cgaccacgac 480
 tctcatgttc agg 493

<210> 30496
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053a03d1
 <400> 30496

gaccccaact ggaaaaaata attttttcaa cgatagctta cattgcatat acaattatac 60
 atacttccat gattccatca ttctgtatca catttgaaga aaaatcatgg cttggtgagc 120
 acaggcatac aaaaaggaca tgcattaatt cctcaagtca acaaaaaatg ttacctatct 180
 ttattttgac agaaaagtca gaaccaactt tttctgtaga ttgaaagggg gatctttaag 240
 agggagcttt cgccgacgtt aactatcttc ctactcatca aaaccaatag cttacgtgaa 300
 caaaaaggaa ggttttttgg agagcaaagc ttttaagtgc gaatggtcag tcacagaggg 360
 gctacaagtg aagttttggc atacaagagc tacaaccttg ttgactgcaa agttatcttt 420
 tgccatgaga gcaacattac tggatatttac ttcccaaaat tcca 464

<210> 30497
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053a08d1
 <400> 30497

gaccgtcaat aatgctcaaa catttcaata gcataataat ttacaagtga agatagttgc 60
 ggaagggaga ggatccaccg agggaaaaaaa aatattaaaa catacagggg aagatgtcac 120

tgtccaaggc cgaactttga ttgaagggtg tccagaatct ctgcatactc tattggtggt 180
 gcctcacccg tgaacacttc atcccagatc ttgcgtatgt catccttatt tgttgatgaa 240
 aggcacatta caatcacatc aaatcttggg accttgggtca aatgctccaa ataactgaca 300
 accagatcca tgtcctcagt gaaaagagat gcaagacact tgatgatctc aattagtatg 360
 gtagaagaca aggcattttt gaatatatttc ggcaattcat ggggagatat agcctttaat 420
 agacgagcct gcagagcaag atcacctgaa aatgctctcc aggagacctc atactgataa 480
 gctgtagttg gaggtgttac gtttttgg 508

<210> 30498
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053a09d1
 <400> 30498

aggcaaaatt ttgaattttg tttttcaaac cggcattatt tggttctcca aaagtcttc 60
 aagtttaaaa ggccttaagg gaaaaaatga actccctttt tttgtacaaa aaaccttttt 120
 ttttttgcta aatgaaaaaa gatgattcat cttttacctg gggcttagac aaaaaatta 180
 gtaaaaaggg ggttcaaact cctccccgac ttactttttt acctctctat attttgcctt 240
 aggggcctgt tcccccccg ggaaccccc gctgggggac cgggacctag aaccacctga 300
 aatgggctct ccaatctggg cccaattttt gtttgccgac tcaacctttg ccttgatttc 360
 attaacattt tccctgaca ttgccggtct aaaaaccaa actgcatccc caattttttt 420
 ggccccctta cggggaaatt ctttttttgg ttaacctaaa ctttttt 467

<210> 30499
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053a10d1
 <400> 30499

tcgcgatctt gtggaatttg agtgcagaaa tcagagagaa tatgatgtgt ggactcaagg 60
 tgtttcaagg cttctctcta ttgccgcaga aaagaacaac aaaaacagaa tttgagcctt 120

ttgttttggg aatgtgtaag gagggagaag aaattttggc aatgggggaa taggaggatc 180
aatcaagggtg gtgttagtag cattatagat gttttgtaca ttgtaaaaag gttaaaaaaa 240
ctaaaggcaa agttaatgcc atatgggggc tcacacttta ctcttgggga tctggatggt 300
gttttttttt tttgaatgag aaagcgaaac atttgaactg aagtgtgagc ccatagtga 360
ccaattgacc ttttgttcct tcattattct ggaaagaaaa tgagtatctt ggacttgggg 420
gggagtggta gtcaaaaaga agtggaaaag atcatattgg agggaaa 467

<210> 30500
<211> 482
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400053a11d1

<400> 30500

aggaataagt aggctatact tcaacaagga gtttatatag taagaaaggt acatccttgg 60
taaaagcata aagcaaagct aatctaattg cacacacaac catgagttca tgaaatccag 120
tcattagtta cattcgttgt tgggtgtgaca atatcttagt aaagtactca aaatataaat 180
taatagatat aataaagtat ctaaatgatg gttccccat cagacaaaag accagttcat 240
gaatacgaag gcaaggcagt gattggaatc atcatcatcg agaactttcc atgcaatggc 300
ctgctcataa gacactgggc gattcatact tgatacacat attcctgctg gcagatatgc 360
aaatccctgt tgcattatct tggagaactc aatgcagaga accttctctg cagcttcac 420
aagaacttta tccagcatta tgtcttgaag agcaacaaga gtggtttcaa gcatgtcaag 480
tc 482

<210> 30501
<211> 347
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400053b01d1

<400> 30501

caaggaagga gctctccata ttgatcatta acagcaaagc tgggttatgg atacaacatc 60
attgataaac cagcggaaac tttcaaacac ccccatTTTT cggcagaaac tctattgagg 120

ccaaagcact acccgatagg gtgctgtata acaccttccc cacaaatcct ttttgggatt 180
 ctccgtatat acccctggaa accgggctgc cctttttttg tatatggatg gctatacagg 240
 ctatgaacat gatgaggccc tccacgggtc ccattcagaa atttatgtcc ggtgacaggg 300
 agcacatact atgactattg gtgagaccaa tccttgtcgt agtcctta 347

<210> 30502
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053b03d1
 <400> 30502

aaaacaacat agttcaatat tgccattcag tttaggtacg taacaggagc agcgaagcat 60
 aaaagcaatg catccaaatt aaaaccacat cggtactggt acacatctga acatcaaaca 120
 caacagaaaa cagaccacaa gaacaagaat ttgaagtaga ttctagtagt cttcatcctt 180
 ttcttgcccc tcaccagact cagcaccacac ttctttataa tccttcttaa gggctgcaag 240
 ggcctcacgg gttcaaaaa attcaccttt ttccataccc tcaccacgt accagtggac 300
 aaaagcacgc ttggcataca tgagatcaaa cttgtgatca atgcgggcaa acacttcagc 360
 cacactggtg gaggttgaaa tcatgcaaac tgccctctgc accttggcaa gggcgccctcc 420
 aggaacaacg 430

<210> 30503
 <211> 506
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053b04d1
 <400> 30503

cgcaagccaa gtcattatta cttgaacaag tctatgccaa atccacagca ctactaatag 60
 gatgtaatta tcagaacccc atgaagggcc acacaataaa gctacaaaca agtaacttgt 120
 tgcagcttac atcacgaaat acctcagttc agtactaaca ttagagcaat aaagaaggcc 180
 acaataagac agaagttatc atggtaataa actacagggc tcaatattgg atgtatacaa 240
 tcatgataaa gagcccttat ttctttccac ttttcttgag cccagaacct ccaaagcttc 300

ccttctgttg cgccttggct ttcaactcct ttagcgcctt ctcctcttcc tttttcttct 360
 gaatgttagc catgtcaacc tcgtcgtaat ccttcttata agacttgggt tttttcaaag 420
 gcttagcttt tccaccttgc ttggtcgaca tgggttgcgat gcggagctag ggtttgggtct 480
 gaaaacataa acgacagaca gaggaa 506

<210> 30504
 <211> 503
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053b07d1
 <400> 30504

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 gcttctgctt gtaaaactcc aaacaattat tgcatttgca tagagcatct ttccaatttt 120
 tggaaaggaa catttggttta ccaggtaaaa ctgggttaac agtaataatg ttaacaccaa 180
 ggagacaatt tacatgcaag tcgatgcttt ttgtgcattg atttgaagcc atactgccat 240
 tacaattttc tccctgagac aaactcttcc catcagatat agatttggaa tcaacagtag 300
 cttgtgcatc atcaacttta ggagaactac atgaagtatt gcatgttggc ttttcagacc 360
 cacaagttga aggcattgtct tccaagacac ctttgcctt gctaatttgg acagtagcat 420
 ctggctgctt ttcagccgcc catatTTTTT tgggatttaa ctttataaag aagcattcgt 480
 gagagcctgc cttacatatg aat 503

<210> 30505
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053b08d1
 <400> 30505

gaaaaccccc aaaggggggc aaaaaccccc ccctaaaaaa aaaaatgttt ttcccccaa 60
 aaaaaaaaaa accaccaagg gcccaaagg gggtttatta tccccgggg gggaaaaaaa 120
 aggggggggg gggggggttt taaaaaaaaa acccccatt aaaaggggg gggggaaaaa 180
 aacaaaagg ggggggaaagg ccgggggggg ccccaaacc tgggggaaaa cattggccca 240

cggggggggc cctgggggta aaaaaaaccc ggagaccccc aaaaaaaccc ccggttttta 300
 aaaggaaaaa aaaccccggg gaaaaaaaaac cccccaaaaa aaaaaaaaaa caacaatttg 360
 ggagaaaaaa cccccgcccg gaaaaaaaaa aaaaggaaag gggg 404

<210> 30506
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053b10d1

<400> 30506

ggggaaaatt tttttttttt tttttttttt tttaagggga gggggggaaa aaaccagggg 60
 gaaaattccc aaaagtattt ttttttttcc ccaaggaacc gggcaaaaaa aaaagacaaa 120
 gggccttagg gggaaaaaaaa gagaactttg gggcaagggg tcaagcccaa aattttttta 180
 tgtaaaaggg gcaaaaattt ccaatttgct atgggccctt tttttggggc cccccaaaaa 240
 aaaattaaaa ttttaaaaaa gggggccaaa aggggcaccg ccagggaaca atttcccaag 300
 gccccccga aaaaagataa aggggccggc aatggttaaa gcccgaagag ccagtaacct 360
 taagggtccc atccctgatc cccctcttgg gggaaaaaaa ggggttaagg gg 412

<210> 30507
 <211> 54
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053b11d1

<400> 30507

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<210> 30508
 <211> 548
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053b12d1

<400> 30508

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acacaggtgt agttacatta gtgaaaatgg agttaaacac aagggaactg caaaagggag 120
 cagaagattg cattgcatgt aggcacctc attgtccagg gacaaagtta gtggcataag 180
 cccaagcatt gttggcaaca ggatcagcaa cgtggctgta aaggttctga atagggccct 240
 tgccagtgc aatagcctga acaaagaaac caaacatgga gaacatagcc aagcgaccgt 300
 tcttgagttc cttgaccttc aactcagcga atgcatcagg gtcacagcc agaccaagag 360
 ggtcaaaagc accaccaggg tagattgggt caagtccttc accaagtgggt cctccaccaa 420
 ctctgtaacc ttcaacaaac cccatgagca caacctgaac agcccagata gcaaggatgc 480
 tctgagcatg gatcaggttt ggggtgcccc agtagtcaag gcctccctct gagaagatct 540
 gtgcaccg 548

<210> 30509
 <211> 358
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053c02d1

<400> 30509

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 cctgaggggg gaatgcgcct cccccggggg cgcccccta ggggcgcaa aagggggggg 120
 cccccccca caaacgcct tttttttcaa aaaaaaacg ctgggggaaa aatttttttt 180
 ccccccccc cccttaaaaa aaaccggctc tgaaaaaaa aaaacaaaaa aacttttctg 240
 gggctttttc cccaaggggg gccctaaaaa aaaaaaaccc cccccctcc tgtggggccc 300
 cgctccctt attaaaaaaa ccgggcgcag gtttgaggtt cttccaccgg gggggggg 358

<210> 30510
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053c03d1

<400> 30510

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 aattcataaa aaaatacaga aaaaaaaaaa cagaattgag taagagggaa ggaaacatag 120

agaaaatttt agcaatcaga taataagaag ccagtagtag tgcaaaagtc ccttgccaag 180
 agtggttgaa ccccttttag ttaagcaggt accttctccc ccttgagtgg cttcaccact 240
 tcccatgtga agtcagggtc atctctgcca aagtgtccat atgcagcagt cttcaagaac 300
 ctgccatttc caccctctt gagatcaagg ttgatggaga tcatgccagg cctgaagtca 360
 aaactctcct tcacaatgct gaggatttcc ttgtcaggga tcttcccagt gccataagt 420
 ttaacaaaca cagacaagg ctcaggcaca ccaatggcat aggaaacttg cacaattgcc 480
 ctctagcaa gtccatttgc aacaatgc 508

<210> 30511
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053c05d1
 <400> 30511

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 ggatcaagga aagggaagtt cacatctaca ttttgaaaga accactggtt cccatacaag 120
 acacttgaat catgggttaca gcttactgag ttttgtggtt tccattgcca cttctattaa 180
 tttctgtaac taccaacatg ctttgagtac gatcagaaga atggggtttct atccatgttt 240
 aaataagtat aaacatctga gtcgggtttc aaggacaaat aaatgaataa tcattttatc 300
 tgcactgctc cattgctcaa acccggtgtc tagataagca cttatgaaga tggtcactac 360
 gttaatatga ttgagctccg tgaaaacctt ggcacaaagt ttaggaacca caaaatctgg 420
 agtgcttgct gcatgaaaga tgcttatgat actggcc 457

<210> 30512
 <211> 548
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053c06d1
 <400> 30512

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 caaaatccac atgctcgacc tctttttgc tacatcagca gtacgatcac aaggaatttt 120

caccatgaaa tcaataatat atttgaaaag ctgaaggga atttctccct tttctctttc 180
 atttaaacca ttgataatat cattctcatt ttcattccaag actccggtac tatccattga 240
 gcaacgtgtt gttattaatt ccaaaagctt ccaaataata ctccagaaga agttccatct 300
 gtgcgctttc acttaccata cttcattggt tctatgttaa aaccaatagt gggaaacttc 360
 ttagcataat cctcaacttc atgacagaga ttagcaatct tagattgaat ttgttcatct 420
 gattgcatag ctgccacaaa atctttcaac tttgtaccat tgggtattttc cttaatctgc 480
 aaggcttact tgacagcgc attaaaggat tcagctactt tttcaaaatc tttctcaaca 540
 aatccct 548

<210> 30513
 <211> 550
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053c09d1
 <400> 30513

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 ttccaaataa gttggaacct attacttcta aaacaaatgg aagacctgaa gcataagtta 180
 ccgctcgatt caaaatatca tgataacttg gatcaattcc tttttcaact caaaagcctt 240
 ctgagtaagt aattgaagag catgtttctc attcaactct ctacacctat atgttatttt 300
 aacatttgtt agagctaaca aatgttcgtc tcgagtgggt atgatgattc tactgccaaag 360
 accaaaccaa tcagggtgc caataagtgc ttgtaactgt ttatcttcat caacatcatc 420
 tagaataaga agaacctttt tttgcttgag cttacgttt ataatgggaa ttccttctct 480
 ccaatttggt aacttaattt ctccagcggg tttagaaaga aggaagcttt ggagtttttc 540
 taaccctatt 550

<210> 30514
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053d02d1

<400> 30514

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 tactcaaagc ccacctgatt tctctatctt cttccaactt tataattgag caagggcttc 120
 aaaggattcg tttcacactc ataccttggt tattctacaa accaaaacac aaagataacg 180
 tactaaataa gtgatagggtg atgctgattt ccaattgtcc acaacttata tagtagcatc 240
 aagccaagt tctatggcct tgagtttcaa tgatttcaag caacgaatgg cttcatcaag 300
 aagctcgatt gggtccttgt cctttccacc aggaactatg cattgcagga tgctcagaac 360
 atcttgaatc ttctcctttc taatctttta attgcctgac aaggaaccca tttcacctga 420
 cccttactac tact 434

<210> 30515

<211> 570

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d03d1

<400> 30515

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 gatgggcaac aaaattctgc tggattacat aaagcaaaca tatattgtgc atatgtactt 120
 cagcagtgtc gtttacacct tttttctttt tacattcttt ctccgcaccc cctttgtccc 180
 cctataatac agttcccctg gggtagtata aaagaaagat attgatatac cttttaaacg 240
 ccgttacata caggcaaact aataaaagaa ttgcaccgt aatagcatgg agtatattaa 300
 ttcaatggga tagagccctc tgttatgtaa aagcaaaaat cctatcagta atacttgtgc 360
 ggcatattgg aactcagaa caagcaagtg aacaagattt acacaaacaa aaatgtcggc 420
 atggaagcag aattgctgca gttggagatt caaacatac tttacaaaca tgggaattgg 480
 catcaccatt tccaagggtg tagagttctt ttttcttcat ttcttgcagc cgcgccttga 540
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<210> 30516

<211> 464

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d05d1

<400> 30516

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 tcaagtcaat atacaattat acatccacca acataatatc agcgtgtttg gattaacagt 120
 gagtacccaa aaatcacgca aaatacatga aaatctgaaa gcaacaatga gttgttatgc 180
 tttcaatggg aaaaagaaat aatcaatcca accttattgt gctagtattc cagacacaca 240
 ctacaacaac tacaagaatt attagtatcg gttgagcttg gattctaggc gtaagtcagg 300
 tttccaccat tggatgaatcc catgagcttc tttgaaatcc tttgaaggag tatgattaac 360
 tgtcagagaa gctgaaggaa tgaggtgcag gggttcatca aattcctttc ccacacaccc 420
 attagttgac aattaaggga agtttgagtg gctaactttt caat 464

<210> 30517

<211> 468

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d06d1

<400> 30517

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 caaaaggaaa atatatgtac aagaaactac aacatgttcc tcttaacctg taacacaaca 120
 ttggagaaac ctaatctcct atgtttcttt ctatgcatcc tctcttcatg taacacaatt 180
 gtaccgactt tgggaaatta tcaaacttca cttattttca tcgtcatctt ctgtacaagc 240
 cacctgcttg acagcaaatac aagctgcctc agcaagcacg tgactcaca actggcagcc 300
 gcctgggcat tggtagacta ctaccagata cttttaagga tgcaaacagg caagataatc 360
 ttgcaatcat gggcttagtc ttcggcattt taggaacaat cgtcagttcc atccccacat 420
 cacatgtgct atgatagcct tcaagatcag ctttggttat aagtactg 468

<210> 30518

<211> 516

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d07d1

<400> 30518

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 atgggataaa taaaacgggg aaagtaaata ggtagcctca aacgctcatt tgggtgaatg 180
 agaatcctat accctttttt ctccaatgca gaagaacctg cctctgccaa tgcttaataa 240
 gaatactagt cttgacataa tgctaagtgg aaaattagat ctgattagtc caagacttca 300
 gaaagccaaa tgctttttcca aatggaaatc tcagtctcac tcttaatctt tctgattcct 360
 ccataaaaac catctgcttc atttcttcc tctctatgat ctcttctact tataggtgtt 420
 ttcccccaac gcgagtcagg attgtactga ttgaactcta gcaccactgt gtcactacta 480
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<210> 30519

<211> 494

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d08d1

<400> 30519

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 atgagatggc attagacatt gaatggagta gtagtagtag tagtcatgaa acacgcaa 180
 tattcatcca caccagcaa gacatccact gaagggagtg attaacttaa caacactctt 240
 aagcttgagg cttctctgac ttgagtggct tcacaacttc ccaggtgaag tctgcatcat 300
 cccttccaaa gggtcataa gcagctgtct tgaggaacct atgaccaccc ctcttaaggt 360
 ccaagttaat ggtgatcatt ccaggtctga agtcgaaatt ctcttcaca atttgcagaa 420
 tctccttgtc aggaatcttc ccagttccat aagtgtccac aaacactgac aagggtcaa 480
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<210> 30520

<211> 524

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d09d1

<400> 30520

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gttgaaattc tagctctagc aatctagcta gagaaggtag tacttgcaca acacacagca  180
catgataatt tattttatac acaatctcat tctcatgggg ctcaagatgc atggactaat  240
taagcaacaa tgttggtctg ataggcagtg tccacagata aattgggtac ccataaaatg  300
gccttgcttc caaggaaatg gcaaacaggg ttagttccag gatcaactcc cataagttga  360
tgaagcattt gatgattcat tccagaagta tttgagtggc aaatagcaag tgcctgagtt  420
ttggttccat caccagccac caatggaacc atgaaagctg ttgtttcacg gacttcatgg  480
cagtaaatac tgcagttcct gaatttagcc tatgacacat cact                    524
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<210> 30521

<211> 518

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d10d1

<400> 30521

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ttgttcgttg caaacgttgc aatgtttatg tgcgtaacgg ggtaatacaa aagataggaa  120
caagtattgt ttcagcttaa cacgaaagga caacacacac aaactttcct cattcaacaa  180
attgcaacat ccaactgcaac atgtaacact cttacaaagc atttccttca cgaagattag  240
aaaagaaaaa aaaaaatact tgcaagctca gaaaaacaaa actcaatata tttcaagact  300
aaaaaatcgg taatgatttt caagcaatat tgtggtatgg gttaataata atagtataat  360
ctatatatat gaaggcaaac attatgcagc ttgcttgagc ttctttgtga tgccggcaat  420
gtacttgcct tgggtggaatg cttgctgtaa ctcgagctca cttggtgtgc ttgagccgtc  480
accggcataa gttccggcac catatggact tccacctt                    518
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<210> 30522

<211> 430

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053d12d1

<400> 30522

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 aacatccatg aaatccaatc attaaaaatt ggaaaaccaa accaaaccaa accaaaccaa 120
 acttattcca acaccactca tcaaacagaa aaacaatcca aactttcaaa actcacaac 180
 tcaagaacaa cttgaaatta ctactaacia aaacaagacc aattgggtcaa aaaccatgaa 240
 tcttgatctg gtccttctctg acaaggccag cctgaacgag gaagtgggag acgttcttac 300
 gctggtcgcc ttggagtgg atgatcttgc caagctcctt gtcctgcacc acggttccgt 360
 tgcagcagaa ctcttcttg aggtccttga ggatcttctc gtagctgaac tccttcttca 420
 gcccttgac 430

<210> 30523

<211> 385

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053e01d1

<400> 30523

aaaactgaac cccctttttt tggttttgga tttaagaaac accctggggg ggccttcttt 60
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 aacaaaattg gggggggggg ggaaaaaccc cccttggtaa agcccgggaa aggtttggat 180
 attatacatt ttttaggggg cacgcccacaa aaacttcccc cttaaggggg ggggattaat 240
 ttcttgggcc ttctcccacc ggggggggtg ggcccttcc ccgggggggg ggggggcttc 300
 ttttccaaag gggccatggg ggggaggttt aaaaaacctg gttttcccc cccttttggg 360
 aacaagggtg ggggggaaca ttccc 385

<210> 30524

<211> 528

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmst02400053e04d1

<400> 30524

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 tatatatattca aggagagaca catctcccca atagtcttaa gtttccaaca aaaaccaac 120
 aaaaagcaca taaagcaata ataataggga agaaaaggaa tggaagtccc tttctgcctg 180
 ctctcttcat agttgcagtg tctttacctg ctgcagcaat gtttgtgtgc ttgatcttca 240
 acctgctgaa gctagacatt cgattcaatg ctcggtcac caaagcactt tcagcagctg 300
 atgcaggagt tgtcggtatt gactcaacaa aggccagag agcagaggag aagctacttg 360
 tagcaacatc ttccacagtg ctactttgat tgttattgcc ttccgtagga aagccaacag 420
 attcatatac cacacctggg gatgatagcg agaaagaatc aacaaagcct tctgatgcac 480
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<210> 30525

<211> 422

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053e05d1

<400> 30525

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 caagtacatc cagtaaacca gggggatctt atccaacatg acttcatggg atcattacat 120
 tttgtgctgg actttgggtg tcttggcatt tggcttacag gtgctttgaa gtgcaagctt 180
 acaggttagc ccttattatt gcgaccaaga ggaacatgca tataaaacat taggagtgct 240
 cagccagagt agggacataa gactgaacta ttctgctggc tcgccccctg gaatagcgca 300
 cacttgttca tagtcaggaa tatatcggtt tgtccagggt aggtatcaca tcataggact 360
 tttttcttga tccataacct atatgggtag agatgaaatg ttgaactgat gccatgatgg 420
 gg 422

<210> 30526

<211> 584

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053e06d1

<400> 30526

gcttcagaat aaagagagct taaatttgaa atggtgattt tacaagaata cgggtacaac 60

aaagataaat tattgcaaat acagaacgga tttccatatt ccaaacaac atttaaaatt 120

tagccattta caacaccacg aagaaataat caaatttatt accaagcgcg ctttcaatcc 180

aagtgaagca ctagggattt ttttttttat atccttgatc atggtaacaa gagttgacta 240

actgctgaat attcgcttca aacttgaaca aattgtgcgt aatcttccca tgctcattga 300

gcttatcttt ggacaaaagc gaacgtcaag ggtctccagt atagagcatt ttgatatggc 360

agcttcaaca gcttcctcgt caatattgca agactgaagg aacagactgg tcaattttgg 420

acactctagc ttcaaaattt ccaaagagga acaattgctt aaattaagaa agcatagggt 480

gagaacagta acaataacct ttttcaaatt tgccgagagt gaaaggggta aaaattaaca 540

cagggaacaa atttgccctc atggaatgac acctttctaa tatt 584

<210> 30527

<211> 581

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053e07d1

<400> 30527

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tatttaatat ataactaaaa aaccaaattt tttttcttac aaagtattgg ctccatcctc 120

tgacatagct acaattagaa cttccacatt ttatcatccc ttggaagcat gaaagaggac 180

ggaagaactc atcacaaaat taagggtgtg tgaggaatta gctagaacca gcttcagcaa 240

aatctgccaa tttgttttct tttaatgaat aattgattgt tgagcagtca actgttttat 300

cccttcttgc tgaacaataa gaggatatct aaaagaatat gttcacaaaa ccagaataaa 360

ttcacgggtt ttggagtcct tcaattgcct ttttccactg gcatgctctt tgctttgcgt 420

cctcaaacga cattaccttt ttaggtgtgc aaatcttgaa atttgatgga ctagccactt 480

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atgggtccac atagatcaac tttgggtttg tggttaaggat g 581

<210> 30528
 <211> 551
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053e08d1

<400> 30528

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 taatttgaaa taaattacaa ataaacattt ttcactactt acacaatgca cacagcagca 120
 agtgctcata agttaaagg aaaaacaaag tgaagatgct tggtgcaaga aacaagtcca 180
 cagtccccgg atacatataa attagaaaaa tgagaatcta atctcactga aaactgcact 240
 ggctgccaat ctccaagtct gcttggtccag ttacctcggt cgcatacaatt tcttcaatat 300
 gcttggtctt gtttttgagg tcagataagc catttacatc actcttatca ccatagttgt 360
 ctgtcttaag tgtgtgatgc tttctcctga ttccagctcc tttctccttg tccccttcag 420
 ataaattaac tgcaccattg ttgctctttc gccggcccag ctttggagat tttgctcgcg 480
 ttgctggtag cttcttcaat tcaaccttag gagggggccc ttcattggtaa aagcttggca 540
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<210> 30529
 <211> 566
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmst02400053e10d1

<400> 30529

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 tcagtcgacc acaaccgcac ttttgtggtt aagtcttaag tgattaacta cagtaccaca 120
 aaaaatttcg aactgtaat atataagatc ctttgaactg aaaaagagaa ccgagttaca 180
 aagaaatcaa tgtagttatt attaaaccag ccagaacaac atcaacctga cattttgcta 240
 attgaaaaat caataacccc agttatcatt cctgatctca tcatcaaact tcttctcag 300
 ctcaggatgc ttttcaaagt actcatctgc cgtcatggta ctaagctttt tcttcaactc 360
 ttgtacttca gcaatttcct tttccaagcg ctcagactcc ttcagagatt tctcctctgc 420

ttctttaagc tcaatcaaaa gggcatcaaa tttaggctta tattgaggag ttactgtatc 480
 aacaaacttg nggatctcaa tgctctcata atgctccttg tacatatcca ccaaacgagt 540
 gccaatcccc ttttatagta atccca 566

<210> 30530
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053f02d1

<400> 30530

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 gaaaggcaag attacatcac atagcgatct ttgacataa aacacaatct tccactctcc 120
 aaatcaacaa ctcagattat ttaaatatcc gatcacaaga gcacttttct ctttttaaatt 180
 tctcaagcga actgaccaag gtattcttcc acggtggtgt agttgacatc cgggtacaac 240
 tcagaagcct caaccccgaa agatggctca atctcaaagt tgggtgtggtc acccttcacg 300
 aacactgagt gggtgattgc taataccaca ttgattggaa gaggtgcctc ttcgatgtcc 360
 ttgagaacct tctcctctgg tacataaatt ttttcgaggg tcttgccaat cttgttctcc 420
 cacaaggcca caagctcgtt gaacgagtaa atgttcttag ggggcctgag gtagagaatc 480
 ttgttcaatg tcttagggtc atccacagcc ctgatg 516

<210> 30531
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053f04d1

<400> 30531

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 acataaaaga gaattttcac caaagatgaa gtggatcaca aaatactctt ggttccttct 120
 ctacaaattc acatccttag aaactaaatt ccatcattgg gattgacca ccagctgcca 180
 cgatctgttg ctcaagcctg atcagtgtct caaacttatt cttaacatgg caggactctt 240
 gccttacttg gtgcagacaa ctgaggcacg cgtctatgtt ctgttctca caaaagttgc 300

ggaaagaaat gcaacaattc tttaccctct gagcacctat gcttgagctg ctacccttta 360
 gctggtgaac atgagcatca acttttttga agtcaatact tttctgattt tgagcaaagg 420
 ttaggtcatt gagaagtctc tcagaatctt caaagaagag agagaccact tcaactacaa 480
 agtccgggtt ggtctcatcc tgta 504

<210> 30532
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053f06d1
 <400> 30532

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 tttgggggta tatatatattt catttaactt ttataggggc ttccatgaaa taaattataa 120
 aatttgagc aaaaaatttt aacacatgac agcctaaata ggttaccctt tttcaacaac 180
 ctttcaatta caattcctgc cctggattct gcagaagagg ctaaaatata tttgtgcaaa 240
 acctagcgga tcattcacat gtctgtgca gattccgccg aacccctcc aaagattttt 300
 gcctgtccag aatgaaggac cataaatcac attttgctaa aaaagggcag agcccatccc 360
 taaaaggggg cttttccagc cttggtttct gggttttttt tgatccccta ggctggcaaa 420
 agctcgacc 430

<210> 30533
 <211> 570
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053f07d1
 <400> 30533

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 atatataatt acatgtatac aaggtaggtt aggtaggtaa tcagtatctt cagacaatg 120
 atatgtgcat gaaaaatgaa aactcatata acagaatata acattcgaca atgtgagtga 180
 tcacacagga aggcaatcga tcatcattgt gcatgcgaca caaggaatgt tttctgtctt 240
 ttttaagttt ctgcaaagcc aatcaactga ttcatcgaat atattgtcag aagactttta 300

atttcaacct ctcaatccgc aaccaattg aacagtgc atagtctcac atgggtaatt 360
 taagctttgc ctccatcttc attcatcatt tgggtgggtca atgggtattt catgccttgg 420
 tttattgtac ttctccctta attgcttgat tgggatgaaa tcttctgctg aatccattcc 480
 atagaataga aaagagatgt agggatgaac gaatctttca gagtctgggt tatacagtgt 540
 taaagattct cctctggaac atatgcccct 570

<210> 30534
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053f08d1

<400> 30534

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 ataagaatat atcaactatg ctccctgctt tatttctttt tctgcactct tttcttaata 180
 gattttttct tcttctctta ttcacaccaa tgaacaatga gaatttttct ccctttgcac 240
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 gccctgatga tgccattagc acagcaacag ccactataaa cataaacaac atactcccta 360
 gcagtatata tggttcttct gatgatttcc tgtactctcc aaacagaatc acgccccaaa 420
 aagtgcttac aagtggaagt gcctggactg catctgctgc tgcatactct gctgcttgac 480
 caccataaaa ttgaagacca ttcccaaacc cacaagtag accagccaac aaggcccaga 540
 ctctgccatc tgagtct 557

<210> 30535
 <211> 411
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053f09d1

<400> 30535

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gtttaagtac aaacaacaa aggggggggg ggggtacaaa tgctttggaa atttttcaca 180
 cttaaaaacc tgggggcttg ttggggataa aacttttgcc ctgcacttgg ggaacgttgg 240
 cgaatcccat gataccgatg aagccgcggg gggatgcaat cttagccttt tgaagctcct 300
 tcaacacctg ggaaggatca gggccacca acataggggg gttccacatg ggccaggagc 360
 ggccattgta ttatcctggg gacctgttgg gtcacgggg cacaaaaccg g 411

<210> 30536
 <211> 558
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053f10d1

<400> 30536

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 agccctcatg accagaaaat acaccgataa ataggaggct gatagttgat atatgttcta 180
 aggggtgatgc ccaacagctt tgccgcaaag cagaacattg ttgggaatgt catattcatt 240
 agcaaggctt ttctgtgcat ccacactct gagatagaac tggtgccaa gatattgcct 300
 ttcccatatt gcagacctca agttccacat gccttggtta tccaaagaca ccaatatagt 360
 agtccaggat tttggataca cctgtgtagt gtgtctagtc agggcatcca ctagattata 420
 tgttttcctg ctggcatctg tccactggcc gaaaccatga ccaatgacct aaaaatcata 480
 acaatcaaga tgccaagatt gcatggtgtt ttcgttggtc tggaaaataa cctcaataaa 540
 atcatggaga gaagtttg 558

<210> 30537
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053f11d1

<400> 30537

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agctgtacta ctcactctggg atgcatgatg ccatcaaagt tgaatcccaa ttcacattat 180
 cttttaatgc tagagggttg aagcaacgaa aatcacccctc cagtctccac cactttgtta 240
 atgtggtagc aatgaatcaa atgatgccaa ttctttttgc gtcacacaaa tgggtctttga 300
 gactcccaag tcacttaata tatgtttttc ttataagaa ggtgggttta taaggatcaa 360
 tgaatcgaat atcttccacg ctactttttg gtttgattac atggagtcca gtccgcacaa 420
 caagcggctc tgttgggttc catttgaaat caacatcaac agagaccact acatgattcc 480
 aatcattttc tgaaactact tcatccacat tatcttcaaa tttaactctgc ctttcaccaa 540
 atataagtat atgatcagtt aatactggga actcgaaata aaa 583

<210> 30538
 <211> 529
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053f12d1

<400> 30538

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 agctgtacta ctcactctggg atgcatgatg ccatcaaagt tgaatcccaa ttcacattat 180
 cttttaatgc tagagggttg aagcaacgaa aatcacccctc cagtctccac cactttgtta 240
 atgtggtagc aatgaatcaa atgatgccaa ttctttttgc gtcacacaaa tgggtctttga 300
 gactcccaag tcacttaata tatgtttttc ttataagaa ggtgggttta taaggatcaa 360
 tgaatcgaat atcttccacg ctactttttg gtttgattac atggagtcca gtccgcacaa 420
 caagcggctc tgttgggttc catttgaaat caacatcaac agagaccact acatgattcc 480
 aatcattttc tgaaactact tcatccacat tatcttcaga tttaaatct 529

<210> 30539
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400053g04d1

<400> 30539

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atcattgaaa actacaatat actgtatcct gtatgaaaga ccatttgcag aaatatcctc 120
ctcctaaatg ccaagttgcc aaactactgt tgaaatttat ggtgtgtgga ctccaactat 180
gtatggccag gtatagagtc ttcaaatgta ggacttgagt tgctcaaatt tgagagacaa 240
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catactttgg atcaggcact ccaaaagcaa ctgcctgagc aatgtctggg tgtgaaagaa 480
ggacagcatc cacttctatt ggtgatatct tttctcctcc tcgggtgatg agtccttga 540
t 541

<210> 30540
<211> 321
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400053g05d1
<400> 30540

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ggatcagccc cctaaccgtt ttccaaagat tagggatttg ggcccagggg taaagctctc 180
caccaccccc ccggggggaa ccaacgcccc ccggtgtct atgggggggt ttcttttaac 240
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ccggccattt taccctctt t 321

<210> 30541
<211> 510
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmst02400053g07d1
<400> 30541

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aaataaaatt ctaaggccgt ccaccccatt ctagtaacta ttgtagaatc ttatcacatt 120
 ttttttagta gcattcacag cttcgtgact tgcattgcag cacagaagag gacaagaggt 180
 acaacagtgc cgaaacgaaa atatgcaaaa aataaactga aatgggtgaac aggaatgaga 240
 tgttctagat cacaggataa acacaagaac tcctaaagga atgggtcaca ggctgatgta 300
 tatgcaaaca agaatcctga caccaatata actgacaaga gacaacaaaa aggctagtgt 360
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 cagccaccaa cccttctgag tgtaagaatc atgttccttc cctcggcagt tcacgaagta 480
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<210> 30542
 <211> 566
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053g09d1
 <400> 30542

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 ggataggcaa aaagtgttac aaatgtcaaa ccaacacaac agttataagt tatacaatga 120
 ttaaccagaa aagtcaacta agaaaaaatt gattcaaaaa gattattcaa ctataggttc 180
 ttaactctta aatctgcttt gtgcctttag aaatttcttc caacagtcac tcgccaagca 240
 tatggcaact taaaaacata ttggaaatta agaattgtga tctcaaattc tactccatga 300
 ctgcaacttc tccagcagct tttatttttt ctattatttc atttgccctcc tcttttgtga 360
 ttccttgttt tagcacaact ggaacttttt caacaagatc tttggcctct ttcaatccta 420
 ggtagtaaaa tgctcttacc tccttaatca ccttgatctt tgcggcagca tcaaatttct 480
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 taccaccttt tgtacccatg cccatg 566

<210> 30543
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400053g10d1

<400> 30543

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 ataattaaat gagaagaaa cagaaaacag atgttacatt tttgaagacc aaattagtag 180
 tacccttatt gatcctaacc ataccctcac tgataataag attcataaca ctagtgccgt 240
 caaattctgc ttcagttggt gagaggtgca ggatatctgt tgatgcaatc aagccaaggg 300
 ttcttagaag gcttggtgac tcggcgcatg gcgcgcaaaa ccacactggt gcacttgaag 360
 ccagagccaa atgcgagttg ccaaacacgg tctcctcttc taacactctc ttttgcttcc 420
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<210> 30544

<211> 516

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053g11d1

<400> 30544

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 tttccgggga cgaagttggt ggcataggcc caggcgttgt tgttgacagg gtcagcaagg 180
 tgatcggcga gggtctccaa tggacccttt ccggtgacaa tggcctgaac aaagaagcca 240
 aacatagaga acatggccaa tcgtccgttc ttgagttcct tcaccttaag ctcagcaaaa 300
 gcctctgggt catcagcaag gcccaatggg tcgaagctgc cacctgggta gattgggtca 360
 gtgacctcac cgagggggcc accagcaata cggtaacctt caacggcacc cattaggata 420
 acttgtgtgg cccacatggc gaggatgctc tgggcgtgga tcaagcttgg gttgcccaat 480
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<210> 30545

<211> 435

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053h03d1

<400> 30545

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tgaccttaca acatttgaag tttctttact tcacagtcac attggctaaa aaataataag 180
gggcctccaa ggatggaaga tcatgaaagc ttccgcaaaa tctagctgcc taagacttta 240
tacattcaaa attaccgctc aatgttaaac cagagcagca gcttactttt ccgccctcat 300
ttggcttttc aaatttgcac gtccggaaca tagacaaaac ttcttctttc aagtcctgat 360
gggggacaca gaagtccgca ggggcataat aattgccttt cggaattagg acaataatgc 420
atctcccaga aataa 435

<210> 30546

<211> 556

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053h06d1

<400> 30546

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tgcgagatta tatatatatt tacacttgac attttcgcat ctcagcttat ccaacaaaaa 120
aaaagtttgt cattatctct gatcacatca acggagtcta tttcagctcc ttcttcattt 180
gtcaccattg catcttttgc atcaaacca aatttttcac ctgcaatagt ttttagttcc 240
tctattgaat caggcaacct tattagcttc ccagcttcca tggaacattt ttctcttcta 300
actacagggg gacctctata tatgcttacc cttggaaact ttagtccact attagatctt 360
cctccattgt gtcctgctc ttgatgtctc ctttttaata caacttcact gagcatgacc 420
tcagttacat taattagatg cccaatttca cgcttctgca gcatttcatt taaggtggat 480
gaacaaaatt catggttatg cacatcagag acatcagcac cattcatgac aagcaactga 540
accatgtcaa catgat 556

<210> 30547

<211> 468

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053h08d1

<400> 30547

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 ttggggcctc atgttcaatg caaacaacta catgttctac agtttttaggc accagcaaatt 120
 acaacaattt gatgtaacca tgtacgtgag aagaatttgt caaagctcat tcatgaaccg 180
 cactactgaa cacaaaaaaaa caagccatta aaaacccgtt caggggcaaa gaatcctatt 240
 tgcaacagca agggcccacc atatatgtca ggggaaccat taataaccta acattccctg 300
 attcacatgg gaagaatatt aatcctccca acttgagaag aagcacaagg gaccaataac 360
 tcaaaccggg ctctcaaaag aaacttgga ttgtgctaga tgccttggtt ttggcttaaa 420
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<210> 30548

<211> 388

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053h09d1

<400> 30548

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 agaataatta aagcgcccc aaaacgtatg gggtagggaa aatatcactt ttccaagagc 120
 tccactccac acaacataat tgagcctctt atatggtacg caatataaat acataaagta 180
 ctatatatcc cactgcaaac accttcggga gataatatga gacacattta tggttgttgt 240
 tccatcagga cttggaggat aatatgggga atcttctgca tattcagttg gcattgacat 300
 ccaatgcaga ctaggtttcc aatctacttc tcttagaacc tttaatattt tcttcaccac 360
 taccttgctt ccctctgctg atagatga 388

<210> 30549

<211> 425

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053h10d1

<400> 30549

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 tgcattgccc tctgcactga aaaacattcc aatgggcccc tcaaattcac aacatgcccc 120
 actcaagggtt ctctttttca cgggttatct aaatattgaa caagggaaac ccccaatttt 180
 ttaatttcag gggccctttt ttttaaagag cccaattac aaggggccct tttaaacaaa 240
 gggggggaaa tggcttgaca ttcagctcca agcttaacag aaatccccgg ggggttatta 300
 ttcaatccat cttcccttc aaaaacctt cttcacttt attggggggg acaacataga 360
 catgttcctc ccagccccct caacaatta cgatttaca atgatagccg cgcttgggag 420
 aaggg 425

<210> 30550

<211> 509

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400053h12d1

<400> 30550

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 gtacattgca ataacatata cttcaccaaa cacaatcta aaaactctca aaagtccaca 120
 agtcattcctt ttctttcatg ctcaattgcc ggggacgaag ttggtggcgt agggccaggc 180
 attgttggtg actgggtccg caaggtgatc agcaagggtc tccaatggac cttaccggt 240
 gacaatggcc tgaacaaaga acccaaacad agagaacatg gccaatctcc cgttcttgag 300
 ttcttccacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa 360
 gctgccacca gggtagattg ggtcagtgac ctaccgagg ggcccaccag caatacgatt 420
 accctcaaca gcaccatta ggataacttg ggtggccac atggcgagga tgctctgggc 480
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<210> 30551

<211> 410

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054a04d1

<400> 30551

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 acagaaaaga aaaggtatat aatttgaaac ttaatttaag catcaacaat ttccttagtg 120
 tccgcagaag ccaaaataag ctggggttct tcccttccaa ctccacacgt tccatcaatt 180
 gcattgttcc tacccaaagc cttcaacgcc aaatgagccg ctttctgccc tgatatcatc 240
 atcgccccaa acgtcggacc cattctgggg gagccatcaa tttctgcaac ctccatgcca 300
 gtgacaatca tgccaggcac aatctcccta gtgagcctga caatagcgtc ctcagcagca 360
 ttcatatcca aagcctttat tcccaggaac gctttcaatc atcccaatac 410

<210> 30552

<211> 403

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054a07d1

<400> 30552

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 aatagctaac acatgaaata tgataagaga gaaagtgaag aaaagtatgg gtctaagatt 120
 aatgaagggg tttgaaggaa gtgagattca tgaaatggag ccaaggcttc tcccagacga 180
 tggttcgta actggccggg gcggatccat ccttggtttt gaggacgaga cggtagttgg 240
 tgccggaaac gacctgagtc tcgcccttga cgaccttgac aagggtgagc ttggccccag 300
 aacgcttggt gtactcgctc agcgcgtagt tggcgatctc cgccacgtgg ctgtcgttta 360
 cgtccttgat ggggcttcag ccgcccagcg ctgattccga ccg 403

<210> 30553

<211> 431

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054a10d1

<400> 30553

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 aaggttacia aatttagggt tcccgcaga agactagtgc cagcgtaaac cctgagcttc 120

taagcaagaa caatccctga tttagctcaa attttttcag cttccatgct tgatcagcat 180
gagcacaagg gttaaacaac acaagcccag acttttgagt tcaaattcac gtcccttcgc 240
gactcacctt ggcaacatgc aactattgta gtgcccgtca accaaagctt atttttacaa 300
catgaaaagg tgaggaatca ataattgtgcc ttctcatcat ttttaattgc aaacctcaa 360
tgccctgat tggagtttca tagttcttga catgagaagc atttttcgca gatgatgttt 420
taattgctgt t 431

<210> 30554
<211> 472
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400054b02d1

<400> 30554

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gccagctatt ggcatatcat gggtaaccac attagatata atatattatt atgatttaag 120
atttcatggc ccacttatac tatatatcac attgaagatg ccagccaaag tagtggatga 180
tgatgataaa gctatgatac aaaacgataa gaaaaggaga gcacatgtca tgggagctgc 240
tcatgaatta aaactcaacg tacgtgtaac cacatctgaa ctgaagagat aaaaggatta 300
aaacttaatt agcâctcgta ttttaattga ttctctgcct gtctatttgg ctatgtctct 360
aattacatcg aatcccatct ccgttggatc ggtggcctgg agttcatagc tgattccatc 420
cagcgtctct ctcagcccat ccttcgaagt tgcgtataga atcttagctc ta 472

<210> 30555
<211> 497
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmst02400054b03d1

<400> 30555

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tgttctagta tgaatcttaa actaaaaaaaa ttggcatcaa gggcacattg ccttgatttt 120
atgtttgaca gccagtaata atttgcata aaatttgttt catcaaaacc aagtagagat 180

aacttctact tgtggcagaa tgacccgcat cttcaagaaa aataaccaa gttgtaaaaa 240
 taaataaata acactaaaac tgtagttggt tgagtgtctt ttaatagttt aatcttcaag 300
 ctcaataatc ttaaccacag atgcatcacc aagtttctgg caaacaacta cccggtcatg 360
 tgacttaata actcccaatg attttccatg atcaagggca accttaagaa tagactcatt 420
 tgttgcaactt gttgactcag caggatgtcg tggatctgca agcataggaa agagacctct 480
 cacgataagt gattgtc 497

<210> 30556
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054b06d1

<400> 30556

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 aaacattgat gctatggatg ttacaagggt ctatcactaa attgacaatt ccaaataagaa 180
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 tgatgattac cagattcact gccattttgt gcaacactct gttcttgata atcatcattg 360
 ctttttgtat tggctctgtt actagtttcc ccttggtcct tctccctgtt ccattgctca 420
 attttagctc tcctttctgc actattttct ctgatcggag gactcctttc ctacccaagg 480
 acttctact 489

<210> 30557
 <211> 96
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054b10d1

<400> 30557

gcaaaggggg ggatcaaata gcctgttttc ttttctccc gtatttcggg ccttttgctc 60
 ttcccaaaaa aaaaaaaagg ggttgtttcc cccccc 96

<210> 30558
 <211> 333
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054b12d1

<400> 30558

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 agggaaactc cagggggctc ttcaaaacag gccgatcaaa atcgcgttct aatggacgga 120
 cacaataaaa atgtcctgta catccacaat tcataacgaa gagacctgaa tgcccaaaaa 180
 agcctggcac cgatatttgc tataccacct cttgcctagc aaacttgacc caagggaggt 240
 cctaccacta acttttcagtc cggtgagttt aacttttgtc ccttgacct ttgggagcgg 300
 gtcctttgat ggcattgcca ccaacatact atg 333

<210> 30559
 <211> 556
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054c01d1

<400> 30559

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 gtaaataatc ccagtttctt tggacaccat ccaaccattg gcatgatcca atgtagcatc 360
 aattgcacca tcacgaatag cctttgatac aatgctctca gcatctgcaa caggatttgc 420
 agagttcagc ctcaagtttt tagcaacatc agctagagag atgcgagaat aggagatgct 480
 gatgttgcgt aaaccagtc tgatgacatt atgccgcata cgaacaatca aattatgggt 540
 ttctgtctgc attaaa 556

<210> 30560

<211> 411
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054c04d1

<400> 30560

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 cataatcatg tgaatacgat aaccaccgtg cacttgtgat tttctcacia cagtaacttt 180
 aagtacacia gacagagtcc aagtgatcca accattaggc aataatgaac cccttaatta 240
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 caaagtgaga aaatcattaa gtgttaggga cgcgcattgg cgagtgaaga tcttgcaagc 360
 ctccttgtac aatccctttt ttgaactttt ctgggtccac tttcttttta a 411

<210> 30561
 <211> 371
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054c06d1

<400> 30561

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 acacatgata t 371

<210> 30562
 <211> 398
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054c07d1

<400> 30562

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 ggaaaaaatt ttctacaccc cccctccaaa aaaaaccttt ccttcggggc gccctttttt 360
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<210> 30563

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054c08d1

<400> 30563

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 atgtttctcac gctgtccacc accaatgggg atttttatcc caaagcaaatt gacagttttt 180
 tgtaggaatc ttttattacc caacaaccgg tttttggcaa aaaccttcat ctatcgctg 240
 ccgctatttt atttgctg 259

<210> 30564

<211> 437

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054d05d1

<400> 30564

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 acaagcagaa atggaatgcc tctgtggct taaaagacac caatagcaga aggatacaaa 240

ggcttgggct ggtaagaaag aaagttggga acatacctag gggttcgttt cttaggagga 300
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<210> 30565
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400054d09d1
 <400> 30565

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 tccgcttggc atgcatgcat gctgacatgg agccaaatca gcagggtta tatatatata 180
 tatatatata tatatatata tatatatgta tcggaaagcc atacccaaag atttaccatt 240
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<210> 30566
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400054e01d1
 <400> 30566

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 gtaagagggg caataatttg aggcacaact gcccacatac ctttgggggc agctccagag 180
 gcaagcccaa ttgcaaaagt ttcaacataa gcaggcttgg aatcaagctt catgtcaaga 240
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<210> 30567
 <211> 358
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054e02d1

<400> 30567

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 ttgataaccc cacaatgtac cccctcccg tagggggcaa ccgggaccag cccattttaa 240
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<210> 30568
 <211> 421
 <212> DNA
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<223> Clone ID: jC-gmst02400054e04d1

<400> 30568

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 ctctatgggt tttcacagaa gaaaatattg ggaagggaaa aacatttccc ctttcttggt 240
 taaccgtcat tgggtggattc ccatttagaa ggagggacac atgttaagga gcgacaccaa 300
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<210> 30569
 <211> 423
 <212> DNA
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<223> Clone ID: jC-gmst02400054e06d1

<400> 30569

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aaggagacat aacatcccat ccccaatggc accattgata aattccatgg atcaatgttg  180
ctttttcttg gtgtccatgt tgctctccag cccttgaaca tgattcatgt gtccttcatt  240
ttcaatcact ggtatcacca cttcttggat ttggagcatg gcgatcttct tttctatttc  300
attgagggtc tgatcaatca accatgagag atcattcaaa tccaccaagc taggattgcc  360
aacaaccttt ccagcgggtca ggtattgaag cataagattg gtcattctct tcttctgttt  420
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<210> 30570

<211> 436

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054e09d1

<400> 30570

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gtaagctgct ctgcaacaaa gtagatctga atttacaaga caggaaacga ccaaacaagt  120
aaaataaaaa gagagaaaaa aaaaggctta gagaaggata aaccgggaca aaaaccaaaa  180
gatataagca tcttaggcag aaaaccctaa aaaaccctaa aaccctagag gagtaaacc  240
tgtaggagc taaccactgt aaacaaaacc caatgagaag ggattgggtc tagcattcta  300
tgaactaact cgcgccagcc aatctcaata tacagatctt tatcttctact aggcaaccaa  360
tcacactatc ttcagactgc aagagaaggc aagacagatc aaatccgggc ggtaccaa  420
tgctgataaa tatact                                     436

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<210> 30571

<211> 401

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054e12d1

<400> 30571

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 aatcatcttt taaaaaactc aaattaatct ttaggggtggc atttacatat atgaactcac 180
 atccatctaa tcatcttttag tttgtattaa gatagtaaga ttttttaatt tataattaaa 240
 catcacgaca atttgaacta ttattaatgg atatccatat tcctgttata ccttgaacca 300
 aaagaaaaca gttagttaca atttgggtggg tccttggaac atttatatat agcagatgca 360
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<210> 30572

<211> 399

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054f01d1

<400> 30572

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 cccccccggg gtgccccccc ccccaaaaaa aaagggaacc cccccccag ggggttaaact 180
 ttaaatgggg cccccggaaa gaaaaccccc caaccgcaaa aaaaaaaaaa aaaaccccc 240
 cgaaaaaaaa aagggaattg gctttacctt gggaccaacc tgggggaaaa aaccccccaa 300
 agcgaattgc cgggggaccc.caccccatct tccagagccc cccccgaaa cccggggggg 360
 cccccccccc cccccaattg ggggggaggg ggggggggc 399

<210> 30573

<211> 414

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400054f02d1

<400> 30573

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attatagtag taattataac acaaatatat gacggctgaa attcaatatt cgttgtctta 180
 attatcttct gacactctaa taatatgaat ccacagtatt cattcattat ccattgtcct 240
 tgtaacttct ctcttcttgt ataatttcta cccttctatg ctggaatggc tttgaaaatg 300
 tcatcgaaac tggttctggtt tgcaaaaata tccagaagag acagtgcctc aggcacactc 360
 agttcaagac ggaacttagg gccatcataa tgggtgaaaa ttggtctaaa ggaa 414

<210> 30574
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400054f03d1
 <400> 30574

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 taattacata gtcttaccat gccttaacaa gcttaaaagt atgtctagtc acaaccacca 180
 cattgcctag aatgtcaciaa cccacaaaac aagttcactc ataagcaaatt ttttttgaag 240
 aagtaaagct gaatttaatc agaatcagat gcagattcta atctttgttc ctcagaggct 300
 gcattatctc cttttaagtt cgcctctccc tgcttgaatg ccttggctat ctcttcaatg 360
 ggaatcaaag gtagataccc gacgaaacta taaccctttt gagtcatggc cttgatcaca 420
 tggttgtact tctctgacca gtgagcagca gtgggaactg ctatctctgc caatgcatgg 480
 aatgggtggat agtgggtgag ttcattccac aacttcaccg aatttatcaa cacaaaatgc 540
 tttgac 546

<210> 30575
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400054f06d1
 <400> 30575

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 gaaaaatgaa ttctccaatg ttgtctgggg atgctaagtt tcccagggtta taggagaaag 120

aaaaactcat gaagttctct ctaatgcatt ttaagtacac tgaattgac agttcacaag 180
 ggtgcctgcg acatcaaaaa agagcttcat g gatggttg gccctggtaa ttccaccac 240
 ccagagtaac acatggggag acaccgaag gggcctcaaa agatatttta atagtcatgg 300
 gctctcctgg cccaagtga aaatagttat ttgggtaatg aataggaaga attcttgtgt 360
 cttccccctc c 371

<210> 30576
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054f08d1

<400> 30576

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 ctcataatgg ctgaaaatcc ggggggttaa acctgatagg aaaaaccttt ttgggacaaa 120
 aagagcetta tacattttac tcggaaaaca ccgccccctt ttgaacaaaa taaaacggaa 180
 actggctgct ccctggattt aacagacctt tttccaacac ttttcttcta ttgga 235

<210> 30577
 <211> 406
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054g02d1

<400> 30577

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 atcaagaacc cagttttgaa aggtaggtgg ctgcaatgaa atggctgata cataaaagta 180
 aaactataac aagtaaaagc acctatactc tcaaaaaata aaatactaata aaggaaccac 240
 tgttgtgtgt aactataaat gtaactatga tcgcatgtac ttgaagaaac acaaaaatgt 300
 attcacttct tcttctgtgc agccttggtg accttggtc cagttgggtc cttcttcttc 360
 acactettga tgactccaac agccacagtt tgtcgcattg ccctca 406

<210> 30578

<211> 371
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400054g05d1

 <400> 30578

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 tatcattctt tcaaagattc cagtaattaa ctggacctga tagaatatct cattattggg 120
 catattatac cacgaagccc ctgacaaacg agatgaaaca aacgggttatt cgaggggaaa 180
 aattatgcta attcaattca accttgacaa agaaaaatta aatactgtga atctattaaa 240
 aaaaaaaaaat caaactctac aacagatggc ataaaaaac caactgaatg ttgaacttga 300
 catatctagc caggagcaag ctgcattcat tttaaactaa tggacattga tccattgaca 360
 aaacctgttt t 371

<210> 30579
 <211> 350
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400054g06d1

 <400> 30579

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 cagaatccgg gggcatggac aacctttata acacaaatat tttagtgggt caaatattaaa 120
 cataacaaag taaacacata attaaagttc actaaacaat tttgtaaagc aaaccacac 180
 agctaaattg caaccacaaa ttccctttct ggagcttcac tcttggttta gaacgattac 240
 aagtccccta aatcttgaag ctgagtttat ccatgtttca aatgggggga gatgccaac 300
 caaattaaat aacttttgggt aaggggcatg cacattatc ttgggggggt 350

<210> 30580
 <211> 296
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400054g08d1

 <400> 30580

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 taagcttttc ctgatttaat ggcacccaca ctatgctcat gtaggaatac tgtagtta 120
 ttattaaaat ttttggcggg ttaactagtt tacagtatta attaaatgtc ttgtttaact 180
 cctatggcgt atcaagcatg ttgtcacact gtaacattaa ctctacttga ttatgatcct 240
 atgttcgggt gaagggcaca tttccccaat gaacaacaga tttctcatct aactac 296

<210> 30581
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054g09d1

<400> 30581

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 ttatgggtgat aaaacagact ccattcactg ttataacgaa ccacatgaca ctgatttttt 180
 aaaaaggaca ggcaggattc aaaggggaac ggtgtctaaa tggacttcca ttacccccgg 240
 gttccctaag ctagggtgtgg aagaaaaaaa aatgggcaac accactcccg gagaaacccc 300
 tcattggaag cccccgaccc atggatgaaa gccttggggt cccggtttttt cttttagaaa 360
 ggtgaccca gttggcgacg accactgggt gggcgggcct cccggggcgg ggatccctt 420
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 tcttaaacc ctcttttttt t 501

<210> 30582
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054h01d1

<400> 30582

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 tctgatataa taaaccaaga aatttccttg tacaatgaga aaattccctt tctttccatc 120
 aaaataggtg gaacctcaaa attcttcata ttacatttc aaaatataac tcaaaatagt 180

gagagcaata agagcttgcc gccaaaaaaa tcccccatcc cttatgaaga acttagatcc 240
 catgcagaac aaatgaatta cctaacctac ttgatggcat atgaacgggt acacactgat 300
 tcaagggcct cagcgaacaa ggaagagaaa ctgggtcaatg cctgaaacac tccaggcaag 360
 cctgtttgca aattgttgag agtcatggct cttgttacct ccacagcttt tgaatgcctc 420
 agcatttcat cttcgacacg cctttggcag ggtgccagtt ctattttttt ctcagcaagt 480
 gggtcacg 488

<210> 30583
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmst02400054h02d1
 <400> 30583

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 ttttgcaaca aggtttaccg gaaacaatgt tcaccctcaa aaagaaaata ggagagaaga 180
 aaataaacat agtttaactt acattaatac aaaacgatag attgcacccg caaaaatatc 240
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 gtgaattaac tgccaactaa acactagcca gaaggaagat tttatccaag gccaaattact 360
 ggtttatgca ccncttcat cttcagagaa gcgcttcttc tggccgtaat atgggcacca 420
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<210> 30584
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400054h04d1
 <400> 30584

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 ttggaagaat tataccaact taaggcgcggt ttggaccagg aattttttgc caagtttgag 180

aatattcagt gtcaacgatac attaatgttt cagaaaaatc tatgccacag cttatatgca 240
 atgctcgaaa ctacaggccc acagtgaatg gcttacgacc ttttttctac ctttctttca 300
 ctagaacttt tattctcagc ctcccgtttt ttttggtgcc gcatttgcac gtatccacca 360
 ccggtttttg cagcagataa aattgttggt tgagccccca ttagtagata cagaatcctg 420
 ccctgtaaag ggcacaggat tttttt 446

<210> 30585
 <211> 318
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054h05d1

<400> 30585

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 gggaaagga aaagaaaacc tttgtcacga acaaaaagcc aaaattccat aaaattctaa 180
 tcaagggaga agaagctttt ggtcattccg acatggatc ctcttcatct tcatgctcac 240
 tcagaacaag atcggccaac aactcctcca atggaacaga agattcatca ccatcagatg 300
 gcttggactt tttatttc 318

<210> 30586
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400054h08d1

<400> 30586

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 gaattagcgt attttaaaaa aaaaaaaaaa gggggggcgc ccctaaatat tcttaaagaa 120
 aaaactagcc ataagggacg agctctatgg ttataccag aatagaattt tgggaagga 180
 aaattattcc ccctttctgg aaaaccagaa ttgctgcatg acaattcaga agccgggact 240
 cttgttaaga cgcgactccc gtggcggggg ttttaccttt 280

<210> 30587
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400054h12d1

 <400> 30587

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 ccacctgcaa atgcgcagtc agcatatcaa actgcagggc agttctttct aacacatttt 180
 ttttgggtcaa aacactttta acacaacaaa gcactcccgga aatatggggt gaaaaatctg 240
 tccagtttgt gggcctctgc cctt 264

<210> 30588
 <211> 498
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400055a01d1

 <400> 30588

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 aaccatgttt gtcagacagc taggttatcc tatgtatcct aattattggt tatattaagg 120
 caaggaaaaa taaaatacta gcttggatca ctaaggcgac cagataggaa gaaacgcaa 180
 attgaagaat actaatactg caaatgact ccaaggcatt aaatccataa tcgaaacttt 240
 acagtaaaaa ggtttttgtt tctctctcaa agttgaggca gatgtggtct cttttccaac 300
 atttcataat gtagaacaaa attatccttg cggacgggtt caaatatgct tggatcgaaa 360
 cagtgataag atcctctctc atatgtgttt gttttaacca gcggctccat gttgggaact 420
 cttattaacc ataaacgatg ttctttgtga taaaaccaac ctctgttgta aagctcactg 480
 gcggcatata attgggct 498

<210> 30589
 <211> 476
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmst02400055a02d1

<400> 30589

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 agaaaaggga gagaagctga tgcaagctat gctaaaacga ctacctttgc ctgcaaacat 180
 ttaggagcat tgactggcca ttctaaacct actgcacact actcaacagc tagggagatg 240
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 tattaaaaag gaaactaatc tctcagaatt tacagcaaag aaagctatcc ttccaccacc 360
 gttgcttccg gtagtgactc ctgtcggttt ttgccatcct gaccgggctg tttttccatt 420
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<210> 30590

<211> 392

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400055a06d1

<400> 30590

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 atttttttcg cccgattatt attaaaaaca aagggggggg cagggtaaat tattatcccc 180
 ggggggggct ttattattaa acgggagcgc gtttaaataa aacgggaggg gggggcaaaa 240
 ccaccaggaa accatgttgg cgcccctgtc ctcaaccacg gggggggaaa aacccactc 300
 cctggggcag ccttcgggga caaaaggggg agggcgcggg tttttcccg ttggggaaaa 360
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<210> 30591

<211> 527

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400055a09d1

<400> 30591

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 acaaaatagg aggaagagga gagaaacaca cagagtaaga gacgtggaaa gttatggata 180
 ttagacatat tataagggca acgctcaaaa aacttccagc atagagcagt ggaatgaatt 240
 acttaggcct tctcccactt gaggggtttg accacttccc atgtgaagtc aggggtcttct 300
 cttccaaagt gtccataggc agcagtcttc aaaaacctgt tatttccacc cctcttgaga 360
 tcaaggttga tggagatcat accaggcctg aaatcaaagt tttccttcac aatgttgaga 420
 atcttcttat catggatctt tccagtgcc taggtggcaa caaacacaga caaaggctca 480
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<210> 30592
 <211> 556
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400055a12d1
 <400> 30592

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 attgagaata gatgaaaaaa attaagtggc gtctatctct cccatccttg ataatatatg 180
 gtttctccg ctatacgtgg cagtgctgt ccaaatacaa tgtaacaaca agtattgtct 240
 ctttcataat tcacatgttg ttcatttatt caaaattaa aatcataatt aagtagggac 300
 caaacagaaa gaaaagaaaa gaaaagctat atatctagct aatttgaaag taagtttaag 360
 catcaacaat ttctcagtg tctgcagaag cgaaaataag ctggggttct tccctttcaa 420
 cttcacacgt tccatcaatt gcattgttcc ttccaacgc ctttaacgcc aaatgagccg 480
 tcttctggcc tgatatcatc atttgcccaa acgttggaac cattctttgg tgagccatca 540
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<210> 30593
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmst02400055b02d1

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 taaatatatc acacactctc acaactgatc acacgacgta ggaacaaaag aaatgggtctc 180
 cttttcaaga tcatgggttca ccaaaatggt ctgctgttga acatttccaa atatagacat 240
 tccactagaa gcacccatgg ccaaacaagc cactcccaaa tgggaggcac caatcatgta 300
 gttctcagca ggaagctcca aatccccacc cttgaaatgg aaaacaagct ttggaatctc 360
 cacttgtgtt gaccctgatg gcaaggagaa acaaagatcc aaccctgttg agctagtttt 420
 gtccaaagca agtttggttt gagaaatgaa ctctttttt 459

<210> 30594
 <211> 553
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400055b03d1

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 ctccaaaagt tttagtaggt atagcccttg acaaacattc ctttcttggc ctcttcactc 180
 tcaccctcag cagagtatct tccaagttga gccaaaggagt ttgcttttagc acgcacaaaa 240
 agggaactttt gagcagcttc cacattctca ggggtgtcctt gccatgtctt aagcacagtg 300
 ttctgaagag cccgtgcata tgagaaagaa acatgccatg ggttgggact ttggttcatg 360
 gcatttagat ttagtggttg ttccacttcg gattgtccac cagacaaaaa catgattcca 420
 gggacagcag gaggaactct tcttctaagc atgggtagag tatatttggc aatggtttct 480
 ggagaagcct ttttcttggt ttccagcccca ggtgttacca tgctggggtt gagcaaaatt 540
 ccctcaaaaa gga 553

<210> 30595
 <211> 567
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmst02400055b05d1

<400> 30595

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caaagtctat tcatatccta aagatttaag cagcagttgc ttgttgggcg gcaatccttt 180
tcctagcttc ctcaatgatt gatagcttaa tacctttacc cttgggaaga gatatccacg 240
gttttgttcc cttgccaatg gtgaacacat tgcccattcg agttgcaaatt tcatgcccag 300
tagcatcctg aacatggata gtctcaaagc ttcccttatg cttctctctg ttcttgatca 360
ctccaacacg acccctattt cttccaccgg tcaccatgac tacattccca acatcaaatt 420
tgatgaaatc aacaatcttg ttcttctcca aatccagctt aatgggtgtca ttagccctga 480
tgagaggggc tgggtagcgg atagtgcgac cgtcgtaggt atttaatatg ggataccctt 540
ttgcccacac tgactgagc gaacttt 567

<210> 30596

<211> 454

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmst02400055b06d1

<400> 30596

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gggataaatc cccttggttt agcccaaagg gggggggggg gtcctttggg gaaaaccttt 180
ttgcccgggg gggggggccc attgggggtc agcaccagg ggggattttt aaagggtttt 240
ttttttttgg gaaaaccggg gggccctcc ctttggggaa aaaaaggaaa aaaacctggg 300
gcaaatgggg ggggggcacc aaaagggcc cttttggttc ctgggggggg ttttaaaatt 360
ttttaatacc cggggacccc cacgggggtt cttgggggga tccaccctta aaaaaggggg 420
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<212> DNA
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<223> Clone ID: jC-gmst02400055b07d1

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<212> DNA
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<223> Clone ID: jC-gmst02400055b08d1

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<212> DNA
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cttaaaggcc tcaattttta ttctgaaac aaaaaaaagg ggaactttat atttaaattt  300
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